neffos

SMARTPHONE

X20 Pro | User Guide

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About this guide

This guide is a complement to Quick Start Guide. The Quick Start Guide provides instructions for quick setup, while this guide provides details of each function and shows how to configure the smart phone appropriate to your needs.

When using this guide, please notice that features of the device may vary slightly depending on the model and software version you have, and on your location, language, and internet service provider. All screenshots, images, parameters and descriptions documented in this guide are used for demonstration only.

Conventions

In this guide, the following conventions are used:

Convention	Description
Smart phone/phone	Stands for Neffos X20 Pro without any explanation.
Parameters	Parameters provided in the screenshots are just references for configuring the smart phone, which may be different from the actual situation. You can set the parameters according to your demand.
Underlined	Underlined words or phrases are hyperlinks. You can click to redirect to a specific section for more details.
Screenshots	The demonstrated screenshots may look a little different from the actual UI of your smart phone due to the various firmware versions. Please just configure your phone based on the actual UI.
>	The menu structure which shows the path to enter the corresponding page. For example, Settings > WLAN means the WLAN function page is under the Settings menu.
Note:	Highlights important information and tips, and provides additional information.
Caution:	Indicates potential problems that may arise if proper care or attention is not given.

1 Get started

This chapter introduces the smart phone's hardware information and guides you how to assemble your phone when you get started on using your new phone.

- Overview
- Buttons
- Put in the cards
- Initial setup
- Charge your phone

1. 1 Overview

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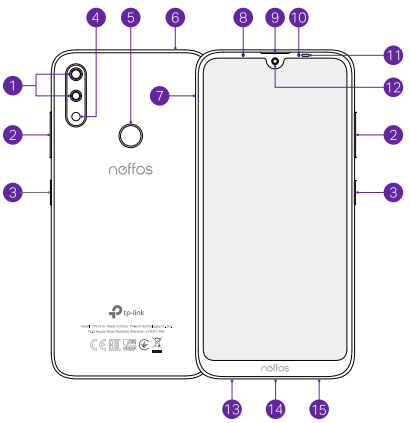

1. Dual-lens camera
2. Volume buttons
3. Power button
4. Flash
5. Fingerprint sensor
6. Headphone jack
7. SIM/SD card tray
8. LED indicator
9. Earpiece
10. Ambient light sensor
11. Proximity sensor
12. Front camera
13. Microphone
14. Charging/data port
15. Speaker

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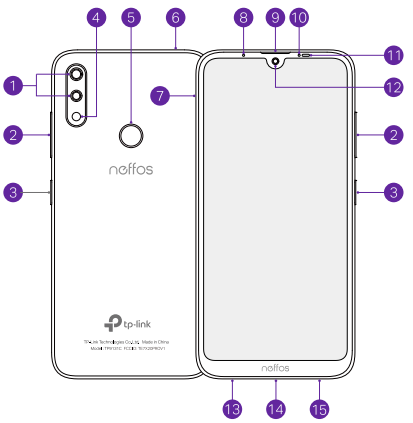

1. Dual-lens camera
2. Volume buttons
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11. Proximity sensor
12. Front camera
13. Microphone
14. Charging/data port
15. Speaker

1. 2 Buttons

The buttons you use with Neffos include virtual ones and physical ones.

Power button

- Lock Neffos: Locking your phone puts the display to sleep, saves the battery and prevents unintended presses. You can still receive phone calls, text messages, alarms and notifications as well as listen to music and adjust the volume. Press the Power button to manually lock the screen. Neffos locks the screen automatically in a given period of inactivity.
- Unlock Neffos: Press the Power button to wake the screen.

- Turn Neffos on: Press and hold the Power button until your phone vibrates and the screen turns on.
  Note:
  If your device displays the shut down notice after the screen turns on, the battery is empty. Connect your phone to a charger to charge the battery, otherwise your phone will shut down in 30 seconds.
- Turn Neffos off: Press and hold the Power button, then tap .
- Reboot Neffos: Press and hold the Power button, then tap .

Volume button

- Press the Volume-up or Volume-down button to adjust the audio volume when you're on the phone, listening to songs, watching movies or using other media.
- Press the Volume button to take a picture or record a video. Refer to Take a photo and Record a video to learn more.
- Press the Power button and Volume-down button at the same time to take a screenshot.

Navigation buttons

- Home button

  Tap Home button to return to the default Home screen.

  Touch and hold Home button to open Google™ search.
- Back button

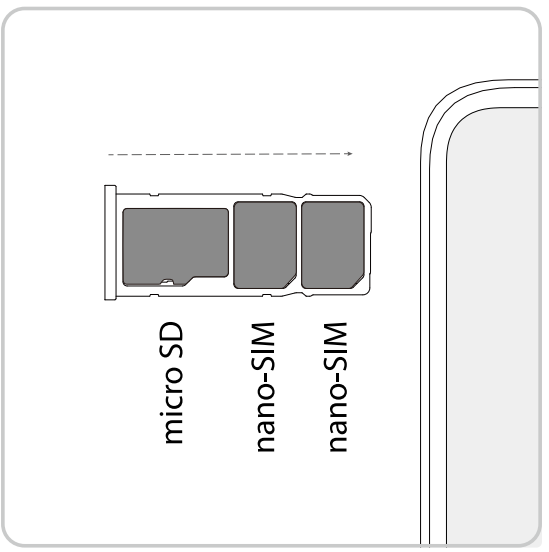
  Tap Back button to return to the previous screen or close an application. When entering text, tap Back button to close the onscreen keyboard.
- Recent apps button

  Tap Recent apps button to display recently used applications.

  Double-tap Recent apps button to switch to the previous application.

1. 3 Put in the cards

Insert Nano SIM cards and microSD card (optional)



1. Eject the SIM card tray by inserting the SIM ejector pin provided into the hole on the tray.
2. Place the card(s) into the tray with the gold contacts face down. The card tray can support two Nano-SIM cards and a mircoSD card.

3. Insert the card tray back into your phone in the correct orientation.

Note:

Take care not to scratch your device or harm yourself when using the SIM ejector pin. Store the SIM ejector pin out of the reach of children to prevent accidental swallowing or injury.

1. 4 Initial setup

It is recommended to insert your SIM card before you start the initial setup.

Press and hold the Power button to turn on your phone, and then follow the onscreen instructions to complete the initial setup.

Note:

To avoid low battery power, your phone will shut down automatically if not operated on Initial screen in 30 minutes.

1. Select your language and location, and then tap .
2. If you insert only one SIM card, your device will skip this step automatically.

   If you insert two SIM cards, your device will proceed to dual-SIM settings. Follow the onscreen instructions to finish dual-SIM settings. You can always adjust dual-SIM settings in Settings > Dual-SIM & network.

   If you don't insert any SIM card, your device will proceed to Connect to mobile network screen. Read the Insert SIM Card tips and tap SKIP.
3. Proceed to Connect to Wi-Fi screen.

   Your phone will automatically list available WLAN networks. Select the network you want to connect to (If you want to view more Wi-Fi networks, tap See all Wi-Fi networks), and then enter the password to access the internet (This can take up to 2 minutes). If you have activated mobile data services with your carrier, you can tap Use mobile network for setup. Or if you don't want to connect to network, just tap SKIP > CONTINUE to skip this step.

   Note: Using cellular network for setup may result in additional fees. Contact your carrier for information about your cellular data plan rates.
4. If your device is connected to the internet, it will set the data and time automatically and skip this step directly.

   If you don't connect to any networks, your device will proceed to Date & time screen. Set the data and time, then tap NEXT. You also can tap NEXT directly to skip this step. You can always adjust date and time in Settings > More general settings > Date & time.
5. Proceed to Google services screen. Read the Google terms and conditions, then tap ACCEPT.
6. Pcoceed to Protect your phone screen. Select a device protection feature and then follow the onscreen instructions to complete. If you don't want to set now, choose Not thanks and tap NEXT > SKIP ANYWAY. You can always set your device protection in Settings > Security > Screen lock.
7. Pcoceed to Register fingerprint data screen. Select Register fingerprint and then follow the onscreen instructions to complete. If you don't want to register now, choose Not thanks and tap NEXT to skip.
8. Pcoceed to Register face data screen. Select Register fingerprint and then follow the onscreen instructions to complete. If you don't want to register now, choose Not thanks and tap NEXT to skip.
9. Proceed to Terms And Conditions screen. Carefully read the terms and conditions, then check I have carefully read and agree to the above terms and tap NEXT.
10. Pcoceed to NFUI User Experience screen. Carefully read the terms and conditions, then choose NO THANKS or JOIN.
11. Setup completed. Tap START USING YOUR PHONE to start using your phone.

1. 5 Charge your phone

Your device displays a low battery warning when the battery is nearly empty. Charge your device immediately to prevent it from switching off automatically.

Use the charger to charge your device

Connect the device to a power outlet using the included USB cable and power adapter.

Use a USB port to charge your device

If you do not have access to a charger, you can charge your device by connecting it to a computer with a USB cable.

When you use a USB cable to connect your device to a computer or another device, **Allow access to device data** will be displayed in a popup dialog. Touch **DENY**.

If another USB connection mode has been selected, swipe down from the status bar to open the Notification Panel. Tap the notification of USB connection mode, and then select **No data transfer**.

Note:

1. The battery is built into the phone and is not removable. Do not attempt to remove the battery yourself.
2. When charging your phone, only use genuine Neffos batteries, chargers, and USB cables. Third-party accessories are a potential safety hazard and may impair your phone's performance.
3. Avoid using your phone when it is charging. Do not cover your phone or the power adapter.
4. It is entirely normal that your phone may become warm after prolonged use or when exposed to high ambient temperatures. If your phone becomes hot to touch, stop charging it and disable unnecessary features. Place your phone in a cool location and allow it to cool down to room temperature. Avoid prolonged contact with the surface of your phone if it becomes hot.
5. A low battery warning will be displayed when the battery level is low. Your phone will turn off automatically when the battery is nearly empty.

2 Basics

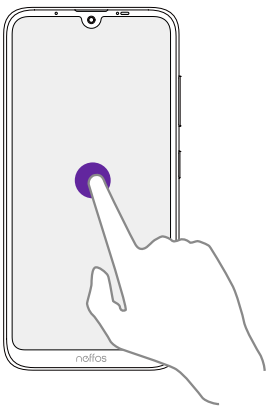
Learn about your smart phone's basic feature.

- Touchscreen gestures
- Home screen
- Access applications
- Status bar
- Notification Panel
- Quick Settings Panel
- Type text
- Screenshot and Screencast
- Configure your fingerprint
- Configure your face data
- Split-screen mode

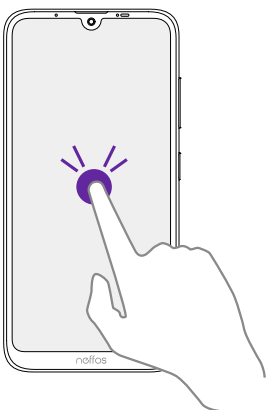
2. 1 Touchscreen gestures

Use simple touchscreen gestures to perform a variety of tasks, such as opening applications, scrolling through lists, and zooming images.

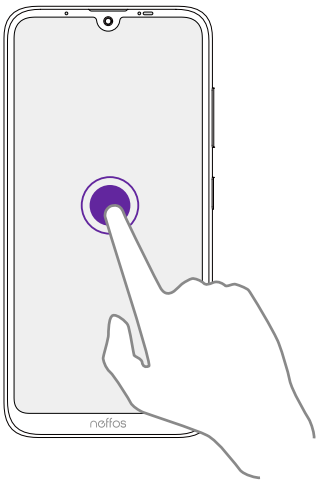
Tap: Simply tap an item once. For example, tap to select an option or open an application.



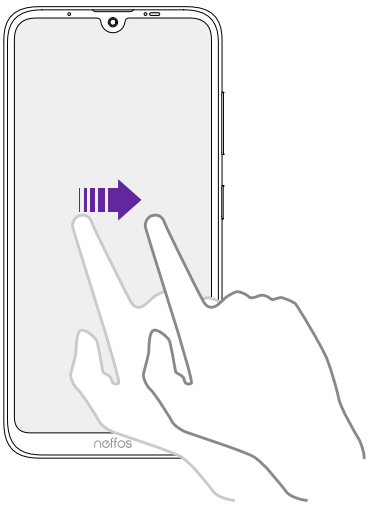
Double-tap: Tap the target area of the screen twice in quick succession. For example, double-tap an image in full screen mode to zoom in or zoom out.



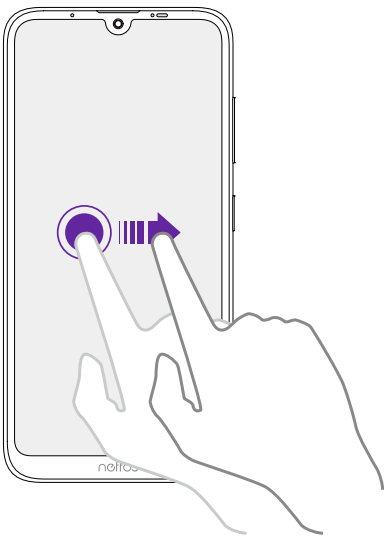
Touch and hold: Touch and leave your finger on the screen for 2 seconds or more to activate onscreen items. For example, touch and hold a widget on the Home screen to move it.



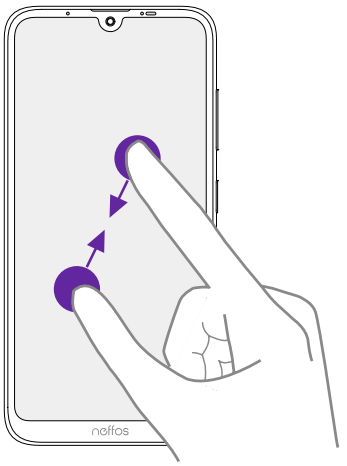
Swipe: Place your finger on the screen, and drag your finger to the direction you want. For example, you can swipe to scroll through the Home screen or a list.



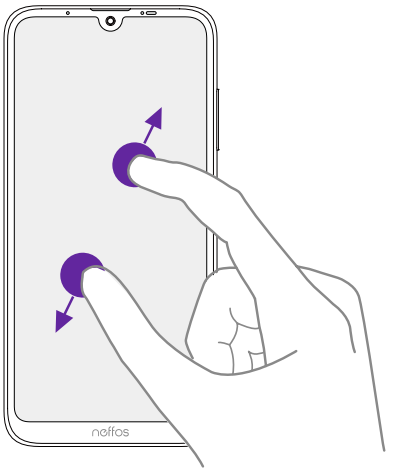
Drag: Touch and hold an item and then move it to another position. For example, you can rearrange applications and widgets on the Home screen.



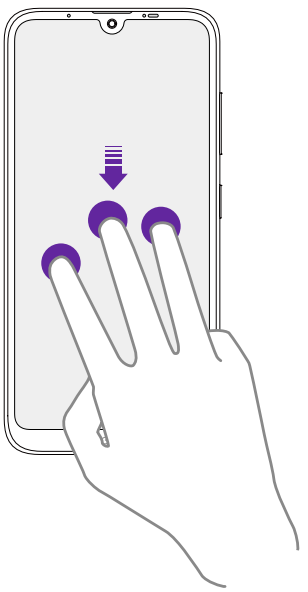
Pinch fingers together: Pinch two fingers together on the screen. For example, pinch two fingers together to zoom out on a picture.



Spread fingers apart: Spread two fingers apart on the screen. For example, pinch two fingers out to zoom in on a picture.



Slide three fingers: Slide down three fingers on the screen to take a screenshot.



2. 2 Home screen

Your Home screens are where you can find your favorite widgets and all your applications.

On the Home screen, slide left on the Home screen to enter the information assistant page.

Organize widgets on the Home screen

- Add a widget to the Home screen

  Add frequently used widgets to the Home screen for quick access.

  1. On the Home screen, touch and hold a blank area (or pinch two fingers together) on the screen to access the Home screen editor.
  2. Tap + **Widgets** and select a widget. Tap the widget to add to the Home screen and drag it to a blank area you like. Or you can just touch and hold the widget and drag it to target area.
  3. Tap a blank area on the Home screen (or tap Home button/Back button) to quit the Home screen editor.

  Note:
  You must have enough space on the Home screen to add widgets. If there is not enough space, add another Home screen (see Add a Home screen) or free up some space.

- Change a widget size

  On the Home screen, touch and hold a widget and then drag the frame to adjust the widget size.

- Move a widget

  On the Home screen, touch and hold a widget and then drag it to the desired location.

- Delete a widget

  On the Home screen, touch and hold the widget you want to delete and then move it to **Remove** in the status bar.

Organize folders on the Home screen

- Create a folder

Create Home screen folders to organize your applications as desired. For example, you can create a Camera folder that contains all of your camera applications.

1. On the Home screen, drag an icon onto another icon to create a folder containing both applications.
2. To name the new folder, tap the folder, tap **Unnamed Folder** and enter the folder name.

- Rename a folder

  On the Home screen, open the folder and touch the folder name, then enter the new name.

- Add apps to a folder

  On the Home screen, touch and hold the application you want to remove, then drag it to the folder you want to add it to.

- Remove apps from a folder

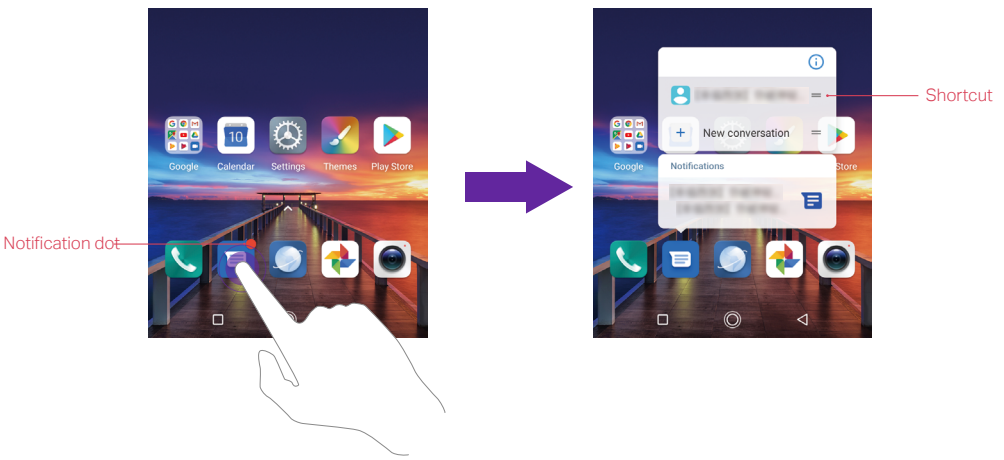
  1. On the Home screen, open the folder.
  2. Touch and hold the application you want to remove, then drag it out of the folder.

- Delete a folder

  You can delete a fold in two ways:

  - On the Home screen, open the folder. Remove all the applications in it, then the folder will be automatically deleted.
  - Touch and hold the folder and drag it to **Remove** in the status bar. The folder and icons in it will be deleted together.

Organize applications on the Home screen



- App pop up box

  On the Home screen, touch and hold an application to open the pop up box. You can:

  - View App info: Tap ⓘ.
  - Shortcut: Tap the shortcut to go to the target interface quickly. Tap and hold the shortcut and drag it to the target area to add it on the Home screen, so that you can find it more easily.
  - Add the widget to Home screen: Tap to view the widgets. Touch and hold the widget and drag it to your target area.

- Notification dot

  Touch and hold the app with notification dot to view the notification. Tap to open and swipe left or right to remove the notification.

- App drawer

  On the Home screen, tap ^ or swipe up on the dock component bar to expand the app drawer. All of your applications sorted by name. You can tap the search box to search the app you need.

- Move an application

  On the Home screen, touch and hold an application and then drag it to the desired location.
- Add an app icon to the Home screen
  1. On the Home screen, tap ^ or swipe up on the dock component bar to expand app drawer.
  2. Touch and hold an app and drag it to a blank area you like.
- Uninstall an application

  On the Home screen, touch and hold the application you want to remove, then drag it to **Uninstall** in the status bar.

  Note:
  Some pre-installed system applications cannot be uninstalled.
- Remove an application icon

  On the Home screen, touch and hold the application you want to remove, then drag it to **Remove** in the status bar.
- Align all the icons quickly
  1. On the Home screen, tap and hold a blank area on the screen (or pinch two fingers together) to access the Home screen editor.
  2. Tap **Adjustment** and slide upward or downward with two fingers within this area to automatically arrange the Home screen icons.
- Batch moving icons
  1. On the Home screen, touch and hold a blank area on the screen (or pinch two fingers together) to access the Home screen editor.
  2. Tap **Adjustment**. Tap or drag the icons to put them in the adjustment at the bottom.
  3. Swipe left or right to choose the target Home screen.
  4. Tap or drag the icons in adjustment to add them to the target Home screen.
  5. Tap a blank area on the Home screen (or tap Home button/Back button) to quit the Home screen editor.

Manage Home screen

On the Home screen, touch and hold a blank area on the screen (or pinch two fingers together) to open the Home screen editor. You can:

- Add a Home screen

  Swipe left and tap + on the rightmost screen to add a new screen.
- Delete a Home screen

  Tap − on the Home screen to delete it.

  Note:
  Only blank Home screen can be deleted.
- Adjust screen order

  Touch and hold the screen you want to move and drag left or right to adjust page order.
- Set the default home screen

  Tap at the top of a Home screen to set the chosen Home screen as default. On the default Home screen, will display at the top.

Home screen settings

On the Home screen, touch and hold a blank area (or pinch two fingers together) on the screen to access the Home screen editor. Then tap **Settings**, you can:

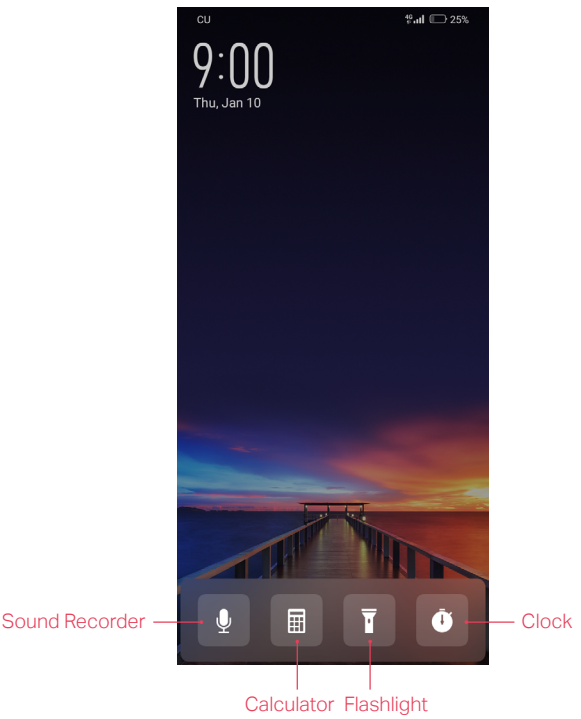
- Manage notification dots: Tap **Notification dots**. You can choose the dot style and toggle the switch to enable or disable the function.

- Enable or disable app drawer: Tap **App drawer** and tap to turn on or turn off the app drawer. When turning off App drawer, on the Home screen, you can swipe up the screen to search apps.
- Set Home screen grid: Tap **Home screen grid** and choose the style you want.
- Add icons to the Home screen automatically: When you turn on the switch, the new apps downloaded from Play Store will be added to Home screen automatically.
- Enable or disable app suggestions: Switch on or off **App suggestions** to enable or disable showing frequently used app based on your usage behavior.
- Enable or disable information assistant: Switch on or off **Information assistant** to enable or disable sliding left on the Home screen to open Shortcuts.

2. 3 Access applications

Launch and switch between applications

- From the Home screen: Tap an icon to launch the corresponding application.
- From the Locked screen: Swipe up to launch the camera application. Swipe up to open the toolkit.



- Switch to another application: Tap the Home button to return to the Home screen, and then tap the icon of the application you want to open. Or you can tap Recent apps button to view the recently used applications, then tap the application you want to open. Double-tap Recent apps button to switch to the previous application.

Viewing recently used applications

Tap Recent apps button to display the list of recently used applications.

- View more applications: Swipe left or right on the screen to view more recently used applications.
- Open an application: Tap a thumbnail to open the corresponding application.
- Close an application: Swipe up on a thumbnail to close the corresponding application.

- Lock an application: Swipe down on a thumbnail to lock the corresponding application so that they will not be cleared when you close all recently used applications.
- Close all applications: Tap ⊗ to close all applications.

2. 4 Status bar

Use the status bar to access the Quick Settings Panel, Notification Panel and check your phone's status.

Status icons

Status icons are displayed on the right-hand side of the status bar and tell you about your phone's status, including network connections, signal strength, battery, and time.

Status icons	Indications
	Battery low
	Charging
	Battery full
	Battery saver enabled
	Signal strength
	No signal
E	Connected over GPRS
3G	Connected over 3G
4G	Connected over LTE
	Headset mic inserted
	WLAN connected
	Vibrate mode enabled
	Bluetooth enabled
	Hotspot enabled
	No SIM card installed
	Do not disturb enabled
	Airplane mode enabled
	Data saver enabled
	Alarms enabled

Notification icons

Notification icons are displayed on the left-hand side of the status bar when you receive a new message and other notifications.

Notifications icons	Indications
	Downloading status
	Uploading data
	Download complete
	Call in progress

Notifications icons	Indications
	Missed calls
	New messages
	Connected to a PC using USB cable

2. 5 Notification Panel

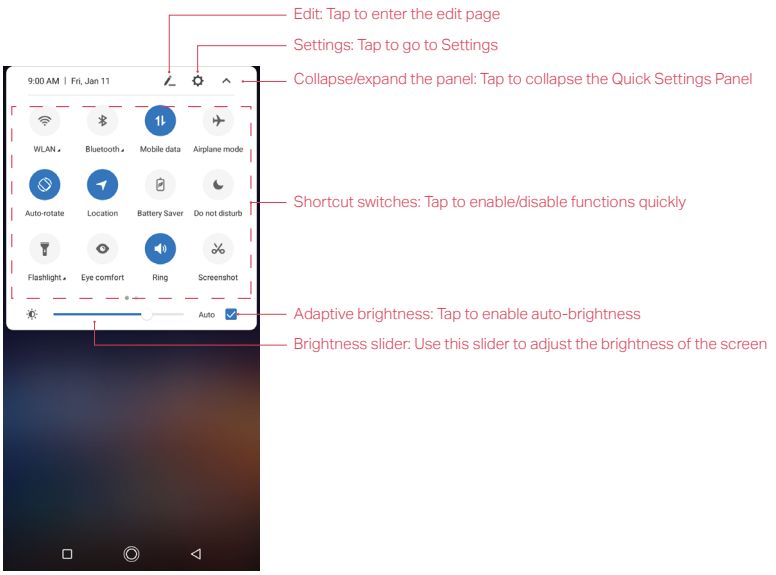
Notification Panel collects all the notifications and alerts so that you can review them whenever you like.

- Open Notification Panel: Swipe down from the status bar to open the Notification Panel.
- View a notification: Tap an item to view the details. New notifications, such as missed calls and messages are displayed on the Lock screen. From the Lock screen, double-tap it to view the details, or swipe left or right to remove it.
- Clear notifications: Swipe the notification left or right to remove the it from the list. You can also tap ⊗ to remove all the notifications at once.
- Quickly manage notification: Touch and hold the notification detail to open the quick settings screen.
- Close Notification Panel: Swipe up, or tap the Home button/Back button.

2. 6 Quick Settings Panel

Use shortcut switches on the Quick Settings Panel to enable or disable functions quickly without using a settings menu.

- Open the Quick Settings Panel: Swipe down from the status bar, or swipe down and tap ⌄ to open the Quick Settings Panel.
- Use shortcut switches: Tap the shortcut switches on the Quick Settings Panel to turn the functions on or off. Touch and hold the shortcut icon to enter the feature's settings page.
- Close the Quick Settings Panel: Swipe up, or tap the Home button or Back button.



Adjust the position of shortcut switches

Open the Quick Settings Panel and tap to enter the edit page. You can:

- Rearrange shortcut switches: Touch and hold a shortcut switch and then drag the icon to a position of your choice.
- Add a shortcut switch: Drag a shortcut switch from the bottom section of the panel to the top section.
- Remove a shortcut switch: Drag a shortcut switch from the top section of the panel to the bottom section.
- Reset Quick Settings Panel: Tap -> **Reset** to reset the Quick Settings Panel to default settings.

2. 7 Type text

Enter text

The keyboard enables you to enter text when needed. Your phone uses Touchpal by default.

Touch and hold the letter to enter the number or symbol next to it.

Choose language
Set the Keybord
Choose the theme
Edit the content
Insert emoji
Tap it and then tap a letter to type uppercase.
Double-tap for caps lock.
Delete the characters to the left of the cursor.
Enter numbers, punctuations and symbols.
12#
Start a new line.
Enter a comma. Touch and hold it to turn on/off prediction.
Enter a space.
Double-tap to end a sentence with a period.
Touch and hold to open Google voice typing
Enter a period. Touch and hold to enter a symbol.

Spell checker

You can turn on the Spell checker feature to help you enter correct words.

1. Go to Settings > More general settings > Languages & input > Spell checker.
2. Turn on the switch.

Switch input method

1. On the Home screen, tap Settings > More general settings > Languages & input > Virtual keyboard.
2. Select an input method you need. By default, you can choose Touchpal or Google Voice Typing.

2. 8 Screenshot and Screencast

Take screenshots

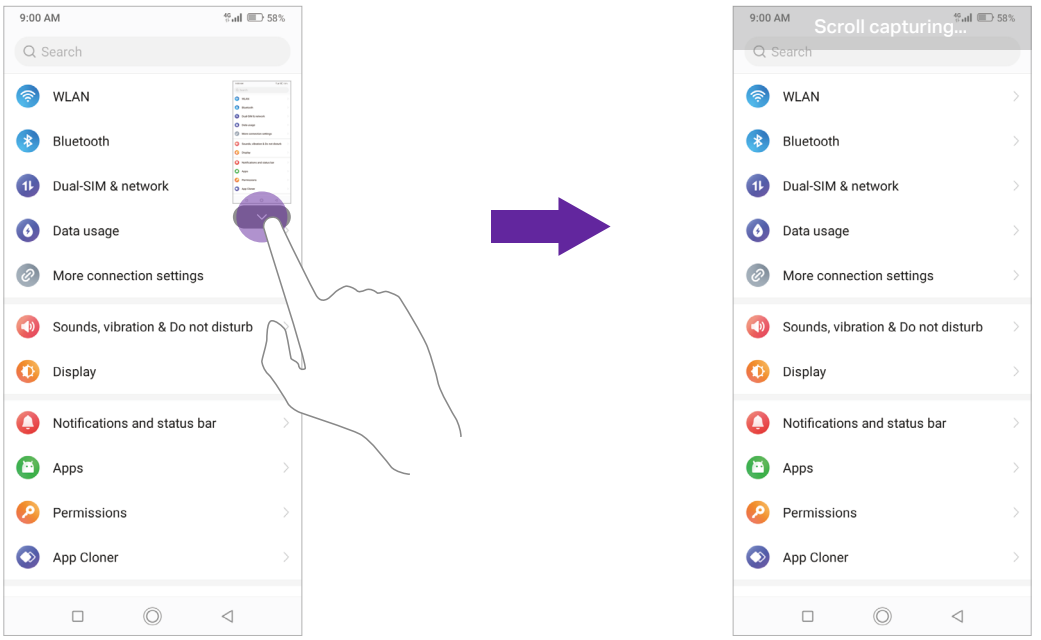
You can capture the entire screen by following ways:

- Press the Power button and Volume-down button at the same time.
- Open the Quick Settings Panel, then tap Screenshot.
- Slide down three fingers on the screen.
- If you enabled float button (see Float button), tap > Screenshot.

Take scrolling screenshots

Use scrolling screenshots to take screenshots longer than one page, such as conversation threads.

1. Take a full screenshot for the entire screen first.
2. To take a scrolling screenshot, ensure that you touch the thumbnail within 3 seconds after taking the screenshot. Tap the below the thumbnail of the scrollshot. The screen will scroll down and capture all of the content in one screenshot. Tap the screen to stop scrolling and capture the preceding content.



Take screencasts

Screencast will capture everything that's displayed on your screen. You can take screencasts by following ways:

- Open the Quick Settings Panel, tap and drag Screencast to the top section. Then on the Home screen, you can always swipe down from the status bar and tap Screencast to take screencast.
- If you enabled float button (see Float button), tap > Screencast.

2. 9 Configure your fingerprint

Use the fingerprint sensor to unlock the screen, take photos and unlock apps.

Enroll a fingerprint for the first time

For added security and to ensure that you can still access your data if your phone fails to recognize your fingerprint, you will need to set a backup screen lock method when configuring fingerprint unlock.

1. Go to Settings > Screen lock, fingerprint & security > Fingerprint.
2. Select Fingerprint + Pattern or Fingerprint + PIN or Fingerprint + Password, and then follow the onscreen instructions to set a screen lock password.
3. Once you have configured the password, tap Add fingerprint.
4. Place your fingertip on the fingerprint sensor. Press down lightly on the sensor until your phone vibrates. Repeat this step using different parts of your fingertip until your phone has successfully added your fingerprint.
5. Once you have added your fingerprint, tap OK.

Note:

1. When recording your fingerprint, make sure the fingerprint sensor and your fingers are dry and clean.
2. For more security settings, see Screen lock, fingerprint and security.

Add, delete or rename your fingerprint

Add multiple fingerprints to make it easier to unlock your phone. You can also delete or rename your fingerprints.

1. Go to Settings > Screen lock, fingerprint & security > Fingerprint.
2. Enter the screen lock pattern/password/PIN.
3. In the Fingerprint list section, you can:
   - Add a fingerprint: Tap Add fingerprint to add a new fingerprint. You can add up to five in total.
   - Rename/delete a fingerprint: Tap a previously added fingerprint to rename or tap ⊗ to delete it.
4. After you enter several fingerprint, there is a list showing all the recorded fingerprint. When you place your fingertip on the fingerprint sensor, the corresponding place turns grey, which helps you easily find the fingerprint.

2. 10 Configure your face data

Use the facial recognition to unlock your phone.

After waking up your phone screen, you can unlock your phone by looking at the screen.

Add your face data for the first time

For added security and to ensure that you can still access your data if your phone fails to recognize your face data, you will need to set a backup screen lock method when configuring fingerprint unlock.

1. Go to Settings > Screen lock, fingerprint & security > Facial recognition, and choose the appropriate method to add face data.
   - If you have set a pattern, PIN, or password as the screenlock method, enter the screenlock method.
   - If you have not set a pattern, PIN or password as the screenlock method, select one and follow the onscreen instructions to complete.
2. Tap Add face data and follow the onscreen instructions to register your face data and enable the facial recognition. Then you can use facial recognition to unlock your phone.

Delete your face data

1. Go to Settings > Screen lock, fingerprint & security > Facial recognition.
2. Enter the screenlock method and tap Remove face data > DELETE.

2. 11 Split-screen mode

Use split-screen mode to use two apps at the same time.

Enable spilt-screen mode

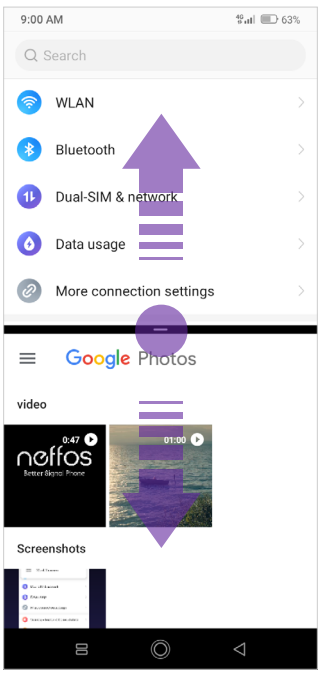
1. Open an app and tap Recent apps button to open recents apps list.
2. Touch and hold an app, then tap Split Screen. Then you can open another app, and it will be displayed at the bottom of the screen.

Note:

Split-screen mode is not available for all apps. Some apps may not function properly in split-screen mode.

Switch to full screen mode

Swipe — up or down to switch to full screen mode.



3 Network and Share

Share your phone data with others by various kinds of connections.

- WLAN
- Mobile data
- Connect to computer
- Bluetooth
- Share your mobile data with other devices
- Smart WLAN

3. 1 WLAN

Connect to a WLAN network to access the internet and reduce mobile data usage.

Note:

Your personal data and financial information may be at risk if you connect to insecure public WLAN networks.

Connect to a WLAN network

Enable WLAN to connect to the internet using a WLAN access point or hotspot.

If appears in the status bar, you are connected to a WLAN network.

1. Swipe down from the status bar to open the Quick Settings Panel.
2. Touch and hold **WLAN** to open the WLAN settings screen.
3. Turn on the switch. A list of available WLAN networks will be displayed.
   - Refresh the list: Tap to refresh the available WLAN list.
   - Add a WLAN network that is not shown in the list: Swipe down to the bottom of the list and tap **Add network**. Follow the onscreen instructions to configure the WLAN settings and password.
4. Select the WLAN network you want to connect to, and then enter the password if needed. (You can also turn WLAN on in **Settings** > **WLAN**.) Your phone will remember WLAN networks that you have used before and reconnect to them automatically when you enable WLAN.

WLAN direct

Use WLAN direct to transfer files between your phone and another device without connecting to a WLAN network. WLAN direct is similar to Bluetooth but offers faster transfer speeds, making it suitable for the transfer of larger files such as videos.

Note:

1. Using WLAN direct to transfer files needs third-party applications support.
2. Before using this function, check that both two devices you want to connect support WLAN direct.

- Connect two devices using WLAN direct
  1. Switch on WLAN on both two devices.
  2. Go to **WLAN** > > **WLAN direct**, your phone will search for devices automatically.Then keep the WLAN direct search screen open on both devices.
  3. When your phone detects the other device, select it. Follow the onscreen instructions to establish a WLAN direct connection between the two devices.
- Rename your device

  On **WLAN direct** screen, tap **Device name**. Enter the device name you want and tap **OK** to save.

- Manage peer device and remembered groups

  On **WLAN direct** screen, you can view your **Peer devices** and **Remembered groups**. Tap a peer device and tap **OK** to disconnect. Tap a remembered group and tap **OK** to forget the group.

Advanced WLAN settings

Go to **Settings** > **WLAN** > ⋮ > **Advanced**, you can configure these settings:

- Saved networks: Tap **Saved networks** to view the networks remembered by your device. Tap a network and tap **FORGET** to forget it.
- Turn on WLAN automatically: Turn on the switch and WLAN will turn back on near high-quality saved networks, like your home network.
- Open network notification: Turn on the switch to enable notifying when a high-quality public network is available.
- Install certificates: Tap **Install certificates** to and follow the onscreen instructions to install certificates.
- Choose network rating provider: Tap to choose the provider of network rating. Google is the default provider. You can also choose **None** to choose network rating.
- View MAC and IP address: On the Advanced, you can view your MAC and IP address.

3. 2 Mobile data

Before using mobile data, ensure that you have a data plan with your carrier to avoid incurring excessive data charges.

Connect to mobile data

You can connect to mobile data in following three ways:

- Swipe down from the status bar to open the Quick Settings Panel and tap ⇅. When it lights up, mobile data is enabled.
- Swipe down from the status bar to open the Quick Settings Panel. Touch and hold ⇅ to enter the mobile data settings. Turn on the **Mobile data** switch.
- Go to **Settings** > **Dual-SIM & network** and switch on **Mobile data**.

Note:

1. If a WLAN connection to the internet isn't available, apps and services may transfer data over your carrier's cellular network, which may result in additional fees. Contact your carrier for information about you mobile data plan rates.
2. When you don't need to access the internet, disable mobile data to save battery power and reduce data usage.

3. 3 Connect to computer

Transfer the data on your phone to your computer or transfer the data on your computer to your phone.

When you use a USB cable to connect your phone with a computer or another device, **Allow access to device data** will be displayed in a popup dialog. Tap **ALLOW** to allow file transfer between your phone and the computer. Tap **DENY** to deny data connection and charge only.

Select the USB connection mode

Swipe down from the status bar to open the Notification Panel, and then tap the USB connection notification. You can choose from the following USB connection modes:

- File Transfer: Transfer files between your phone and the computer.

- USB tethering: Use a USB cable to share your phone's mobile internet with a computer.
- MIDI: Use your phone as a MIDI input device and play MIDI files on the computer.
- PTP: Transfer images between your phone and the computer.
- No data transfer: Charge your phone only.

3. 4 Bluetooth

You can share data on your phone with other devices using Bluetooth. And you can use Bluetooth to connect your phone to Bluetooth headsets and in-car Bluetooth to navigate or listen to music while you drive. You can also connect your phone to Bluetooth wearables to record and manage fitness data.

Enable Bluetooth and pair your phone with another device

1. Swipe down from the status bar to open the Quick Settings Panel.
2. Touch and hold Bluetooth to enter the Bluetooth settings. Tap the switch to turn it on. (You can also turn Bluetooth on in Settings > Bluetooth). Your phone will automatically list available devices. If the device you want to pair with is not displayed, check whether the device is discoverable.
3. Select the device you want to pair with and follow the onscreen instructions.

Send and receive files using Bluetooth

Check that both devices are paired before attempting to transfer files.

1. Send files: Tap the file you want to send and tap > Bluetooth. Your device will automatically search for nearby devices. Select the receiving device.
2. Receive files: When another device tries to send you files using Bluetooth, select ACCEPT from the dialog box that appears. Open the Notification Panel to view file transfer progress. By default, received files are saved to File manager > Internal storage > bluetooth folder.

Unpair Bluetooth devices

Go to Settings -> Bluetooth. Tap the icon next to the paired device, and then tap FORGET.

Rename your phone

1. On the Home screen, tap Settings -> Bluetooth and turn on the switch.
2. Tap Device name.
3. Edit the device name and tap OK to complete the configuration.

3. 5 Share your mobile data with other devices

You can share your phone's mobile internet with other devices (such as phones, tablets, or computers). The following internet sharing methods can be used:

Use WLAN hotspot

Set up a portable WLAN hotspot to share your phone's mobile internet with other devices. Compared with Bluetooth tethering, the portable WLAN hotspot feature offers quicker, longer range connections, but power consumption is higher.

1. On the Home screen, go to Settings > More connection settings > Hotspot & tethering > WLAN hotspot and turn on the switch. After enabling your personal WLAN hotspot, and will be displayed in the status bar.

2. Tap **Set up WLAN hotspot** to configure following settings:
   - Change the hotspot name: The **Name** is the hotspot name. By default, this is the name of your phone model. You can manually change the name to something that is easier to remember. Tap **Hotspot Name** to edit the name of your hotspot and tap **OK**.
   - Change the security setting: Tap **Security** to configure security setting. Your phone uses **WPA2 PSK encryption** by default. Other devices will require a password to connect to the hotspot. If you choose None, devices will not require a password to connect to the hotspot.
   - Configure a password that is easy to remember: The hotspot password is generated randomly by your phone. For security reasons, choose a password that is not easy to guess. Tap **Hotspot Password** and enter the new password (the password must have at least 8 characters), then tap **OK**.
   - Select AP Band: Tap **AP Band** to choose 2.4 GHz Band or 5 GHz Band and tap **APPLY**.
   - Set the maximum connections: Tap **Maximum connections** and select the number of maximum.
   - Turn off hotspot automatically: Switch on **Turn off hotspot automatically**, and then if no devices are connected, the WLAN hotspot will be turned off after 10 minutes.

Note:
Your device can't access the internet using WLAN when your **Portable WLAN hotspot** is turned on.

Use USB tethering

Use a USB cable to share your phone's mobile internet with a computer. This is useful if your computer's internet

connection stops working. To enable mobile data, see Connect to mobile data.

1. Connect your phone to a computer using a USB cable.
2. On the Home screen, go to **Settings** > **More connection settings** > **Hotspot & tethering**.
3. Switch on **USB tethering**. After enabling USB tethering, your phone will display the icon in the status bar. You can then use the computer to access the internet.

Note:
Depending on your computer's operating system, you may need to install phone drivers on the computer or establish a network connection in order to use USB tethering. Please read the instructions for your operating system.

Use Bluetooth tethering

Use Bluetooth tethering to turn your phone into a wireless router and share your mobile internet with other devices. Compared with a portable hotspot, Bluetooth tethering offers a slower internet connection, but consumes less power.

1. Establish a Bluetooth connection between two devices and check that they are paired. For more information, see Enable Bluetooth and pair your phone with another device.
2. On the Home screen, go to **Settings** > **More connection settings** > **Hotspot & tethering**.
3. Switch on **Bluetooth tethering** to share your mobile internet.
4. Go to **Settings** ->**Bluetooth** and tap the device you want to connect. Other devices can now connect and use your mobile data.

3. 6 Smart WLAN

Use smart WLAN to share WLAN password, connect to router and extend WLAN.

Share WLAN password

When connected to WLAN, you can share the password with other devices.

On the Home screen, tap Smart WLAN > Share WLAN password to proceed to QR code screen (You can also tap the connected WLAN in the WLAN networks list to proceed to QR code screen). You can share the password in following two ways:

- Show the QR code. For the other device, see Connect to WLAN by scanning the QR code.
- Touch and hold Password and choose Copy or Share to share the password.

Note:
This feature is currently only supported on Neffos and in some third-party apps.

Connect to WLAN by scanning the QR code

1. On the Home screen, go to Smart WLAN > Scan.
2. Align the QR code within the frame, or tap to select a photo to scan. Then your device will connect to the shared WLAN automatically.

Note:
When ambient light is not enough, you can tap to turn on light.

WLAN extender

Use WLAN extender function to extend WLAN signals to a wider area.

- Extend the WLAN

  Before using this feature, ensure that you have connected to the WLAN.

  On the Home screen, tap Smart WLAN > WLAN Extender and turn on the switch. When WLAN Extender is open, will appear in the status bar.

- Set WLAN Extender

  On the Home screen, tap Smart WLAN > WLAN Extender > Set WLAN Extender. You can configure following settings:

  - Change the network name: Tap Name to set network name, and then tap SAVE. The Network name is the WLAN Extender name. By default, this is the name of your phone model. You can manually change the name to something that is easier to remember.
  - Security: Your phone uses WPA2 PSK encryption by default.
  - Configure a password that is easy to remember: The network password is generated randomly by your phone. For security reasons, choose a password that is not easy to guess.
  - Select AP Band: Tap Select AP Band to choose 2.4 GHz Band or 5 GHz Band.
  - Set Maximum connections: Tap Maximum connection to choose the maximum connections.
  - Set duration of WLAN Extender: Set the time for keeping WLAN extender on when idle. Tap Keep WLAN extender on to choose the duration.

- Manage the users

  On the Home screen, go to Smart WLAN > WLAN Extender. The connected and blocked devices will be displayed on the list. Select any of the connected devices to set the following options:

  - View the details of the connected device: Tap a connected device to view the MAC address and IP address.
  - Block a device: Tap the connected device you want to block and tap BLOCK. The blocked device can't search your WLAN extender signals.
  - Unblock a device: Tap the blocked device you want to unblock and tap UNBLOCK.

4 Calls

Make calls with your phone to contact one quickly.

- Make a call
- Answer or reject a call
- Options during a call
- Call log
- Manage contacts
- Harassment filter
- Call settings
- Advance settings
- Contacts

4. 1 Make a call

Dial directly from the dialer

1. On the Home screen, tap Phone > .
2. Enter the number of a contact in the dialer. Your phone will search your contacts and call log and list the results above the dialer.
3. Select the contact you want to call (Or tap after entering the complete number). If you have inserted two SIM cards, select SIM1 or SIM2 to dial (Or tap / after entering the complete number).

Note:

Check **Always use this for calls** and tap SIM1/SIM2 to make SIM1 or SIM 2 as the default SIM card to make calls. If you want to change the default SIM card, or if you want to deactivate one of them, go to **Settings** > **Dual-SIM & network** to configure. For more information, see Dual SIM and network.

Dial a recent number from the Recent calls

All incoming, outgoing and missed calls are in Recent calls.

1. On the Home screen, tap **Phone** > **Recent calls**, a list of recent calls will be displayed.
2. Tap the number or contact to call.

Dial from contact list

1. On the Home screen, tap **Phone** > **Contacts**.
2. Tap a contact and then tap the number to dial.

Dial from contact list and call log search results

1. On the Home screen, tap **Phone**.
2. Tap and enter the name, initials, or number of a contact in the dialer contact.
3. Tap the contact or number to dial.

Make an international call

Before making a long-distance call, contact your carrier to activate international calling or roaming services.

1. On the Home screen, tap Phone -> .
2. Touch and hold **0** to enter **+**, then enter the country or region code, area code, and phone number in sequence.
3. Tap .

Make an emergency call

In the event of an emergency, you can make emergency calls from your device, even without a SIM card.

- Make an emergency call from unlock screen:
  1. On the Home screen, tap Phone > .
  2. Enter the emergency number for your location in the dialer and tap .
- Make an emergency call from lock screen:

  If you enabled the device protection (fingerprint, pattern, PIN or password), you can make an emergency from lock screen by following way:
  1. Wake up the screen and swipe up on the screen.
  2. Tap **EMERGENCY**.
  3. Enter the emergency number of your location in the dialer and tap .

Note:

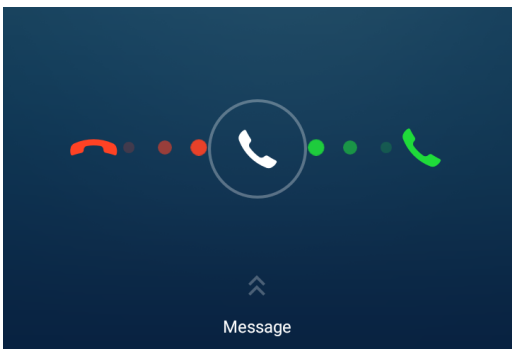
1. You must be in an area with cellular coverage, when you have to make an emergency call.
2. The ability to make emergency calls depends on local regulations and carriers in your area.
3. Poor network coverage or environmental interference may prevent your call from being connected. Never rely solely on your device for essential communication during emergencies.

4. 2 Answer or reject a call

On the incoming call screen:

When a call comes in, you can press the Volume button (or Power button) to mute the ringtone.

When the screen is locked

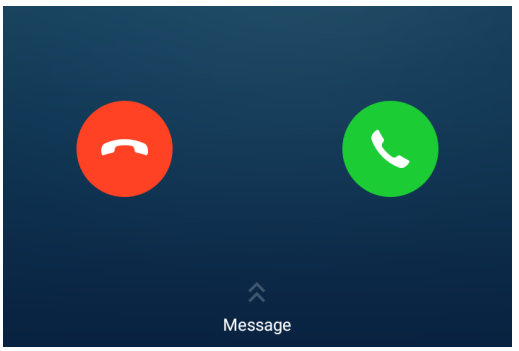


- Drag right to to answer the call.
- Drag left to to reject the call.
- Slide up **Message** to reject the call and send SMS. You can choose a quick response or tap + to edit a new message and tap to send it out.

  Note:

  You can go to Phone > > **Advance settings** > **Quick responses** to edit the predefined text messages.

When the screen is unlocked



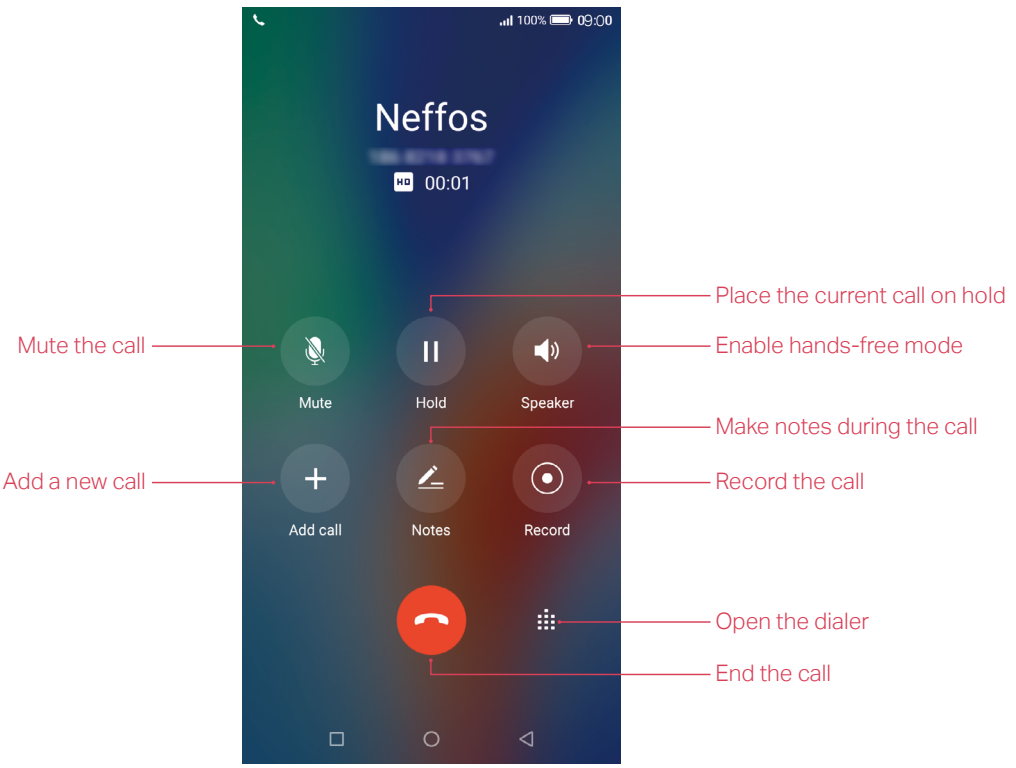
- Tap to answer the call.
- Tap to reject the call.
- Slide up **Message** to reject the call and send SMS. You can choose a quick response or tap + to edit a new message and tap to send out.

4. 3 Options during a call

Your phone provides a variety of functions that you can use during a call.

In-call menu

During a call, your phone will display an in-call menu.



Hide the in-call menu

Tap the Home button or Back button to hide the in-call menu.

To return to the in-call menu:

- Tap the green status bar at the top of the screen.
- Slide down from the status bar to open the Notification Panel and tap the call item.

To end the call, return to the in-call menu and tap . You also can tap on the Notification Panel to end the call.

Adjust the call volume

Press the Volume buttons to increase or decrease the volume.

Answer a third-party call

If you receive a call when already in another call, tap to answer the call. The previous call will be holded on automatically.

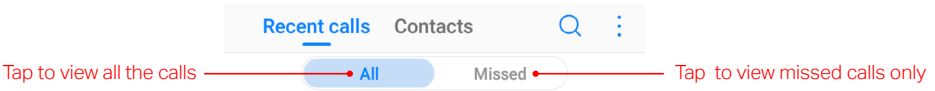
Note:
Before using this feature, check that you have subscribed to a call hold service and enabled call waiting on your phone. For more details, contact your carrier.

Use an application during a call

To use an app during a call, tap Recent apps button to open the list of recently used apps, and then tap the desired app (Or tap Home button to go to the Home screen, then tap the desired app). The Dialer app will continue to run in the background.

4. 4 Call log

All incoming, outgoing and missed calls are recorded in the call log. Missed calls are displayed in red.



Note:
If a contact (or a number) has more than one log, tap to proceed to details page. Swipe down to the bottom of the page and tap **VIEW MORE**, you can view all the call history of this number.

Add a number from the call log

Go to **Phone** > **Recent calls** to select a number from the call log and save it to your contacts.

1. Tap beside the number you want to add and then tap .
2. If you want to save the number as a new contact, tap **Create new contact**. If you want to add the number to an existing contact, tap the target contact, then tap **OK**.

Clear the call log

- Clear call history: Go to **Phone** > **Recent calls**, touch and hold the number or contact you want to remove and then tap **Delete**.
- Delete call history in batches: Go to **Phone** -> **Recent calls**, touch and hold a number or a contact, then tap **Batch**. Check the logs you want to remove and tap > **DELETE**.
- Clear the whole call log of a number (or contact): Select the number you want to remove, then tap . Tap > **Clear call history**.

Add a number to blacklist from the call log

1. Go to **Phone** > **Recent calls**, tap the number you want to add to the blacklist.
2. Tap > > **Add to blacklist** (Or just touch and hold the number and tap **Add to blacklist**). And you will not receive calls from this number any more.

Do more settings about the call log

Go to Phone > Recent calls, touch and hold a number and you can:

- Send a message: Send a message directly to this number.
- Copy number: Copy the number and paste in other place, such as in your notes.
- New contact (for Strange numbers): Add the number to create a new contact.
- Share contacts (for contacts): Share the contact.
- Add to blacklist: Add the number to blacklist and you will not receive calls from this number any more.
- Delete: Delete the call log.
- Batch: Select several numbers at a time.

4. 5 Manage contacts

Go to Phone > > **Manage contacts** to configure the following settings:

Display contacts

Tap **Display contacts** to choose the contacts you want to display on the phone.

Import or export contacts

Your phone supports .vcf contact files. VCF is a standard file format for storing contact information, including names, addresses, and phone numbers.

Tap **Import/export contacts**. You can:

- Import contacts from a storage device:
  1) Tap Import from storage device.
  2) Select one vcf file.
- Import contacts from a SIM card:
  1) Tap Import from SIM 1 or Import from SIM2.
  2) Select the contacts you want to import.
- Export contacts to a storage device: Tap Export to storage device.
- Export contacts to a SIM card: Tap Export to SIM 1 or Export to SIM2.

Manage accounts

Go to **Manage contacts** > **Manage accounts** to view your accounts.

If you want to add a new account, tap Add account and follow the onscreen instructions to add your account.

4. 6 Harassment filter

The Harassment filter automatically blocks calls and messages from unknown or blacklisted sources.

Go to Phone > > Harassment filter to view the blocked messages and calls.

Add numbers to blacklist

Go to Harassment filter > + to add numbers to blacklist.

- Add phone number: Tap Add phone number, enter the number you want to block and tap ✓.

- Add prefix: Tap **Add prefix**, enter the number prefix you want to block and tap ✓.
- Add numbers from contacts/call log: Tap **Add from contacts**, select the numbers you want to block from contact or call log, and tap ✓.
- Add numers from messages: Tap **Add from messages**, select the numbers you want to block from messages list, and tap ✓.

Clear blacklist numbers

Go to **Harassment filter**, touch and hold a number, select the numbers you want to delete, and then tap 🗑 > **DELETE**.

Edit numbers in blacklist

Go to **Harassment filter**, tap a number to edit it. Tap ✓ after finishing to save changes.

View the locked messages and calls

Go to **Harassment filter** > ⋮ > **Blocked numbers** to view the blocked messages and calls.

Harassment filter settings

Go to **Harassment filter** > ⋮ > **Settings** to configure the following settings:

- Block incoming calls and messages from "Unknown" numbers: Turn on the switch to block incoming calls and messages from "Unknown" numbers.
- Block incoming calls and messages from non-contacts: Turn on the switch to block incoming calls and messages from non-contacts.
- Block notification: Turn on the switch to get reminders when your phone intercepts a harassing call or spam message.

4. 7 Call settings

Go to **Phone** > ⋮ > **Call settings** to configure the following call settings:

Note:

1. The following features may vary depending on your carrier.
2. If you insert two SIM cards and you don't set the default SIM card for calls, **Select SIM for calls** will display on the list. You can choose your default for calls, or choose **Ask every time**.

Voicemail

Divert calls to your voicemail when your phone is switched off or when there is no cellular coverage. Callers can leave a voice message which you can listen to later.

- Service: Your carrier.
- Set up: Tap **Setup** > **Voicemail number** to enter your voicemail number and tap **OK**.
- Notifications: Tap **Notifications**, you can set sound, enable or disable vibration, and configure other advanced settings.

Note:

Voicemail must be supported by your carrier. Please ensure that you have subscribed to this service. Contact your carrier for information about their voicemail service.

Fixed Dialing Numbers

Use fixed dialing numbers to restrict outgoing calls to whitelisted numbers.

- Enable FDN: Tap **Enable FDN**, enter PIN2 and tap **OK**.
- Change PIN2: Tap **Change PIN2** and follow the onscreen instructions to change your PIN2.
- FDN list: Tap **FDN list** to view your FDN numbers. Tap ⋮ > **Add contact** to add a FDN number.

Note:

1. Your PIN2 code is required to enable fixed dialing numbers. To obtain your PIN2 code, contact your carrier.
2. Numbers are added to the FDN list, and when activated, FDN restricts outgoing calls to only those numbers listed, or to numbers with certain prefixes.
3. PIN2 must be entered before hand or when applying such settings, which is unique to each card and initially provided by the network operator.

Call forwarding

If your phone can not answer or you do not want to answer the call, you can transfer the call to another phone number.

Tap **Always forward/When busy/When unanswered/When unreachable**, enter the phone number you want to transfer to and tap **TURN ON**. Then the call will be transfered to the present number always, when your own number is busy, unanswered, or unreachable.

Additional settings

- Caller ID: Display your number in outgoing calls.
- Call waiting: Turn on the switch to enable call waiting, then your will be notified of incoming calls during a call.

4. 8 Advance settings

Go to **Phone** > > **Advance settings** to configure the following settings:

Display options

- Sort order: Tap **Sort by** to choose sorting by First name/Last name.
- Name format: Tap **Name format** to choose First name first/Last name first.

Sounds & vibration

- Ringtone: Tap **SIM1 ringtone** and **SIM2 ringtone** to choose the ringtone you like.
- Also vibrate for calls: If **Also vibrate for calls** is enabled, your phone will vibrate when receiving incoming calls.
- Dial pad touch tones: Turn on or turn off the switch to enable or disable dial pad touch tones.

Quick responses

Tap the quick response you want to edit. Tap **OK** after finishing.

Auxiliary functions

- TTY mode: Tap **TTY mode** to configure the TTY mode. Tap to view the information of TTY mode.
- Power buttons ends call: If **Power buttons ends call** is enabled, you can end call by pressing Power button.

4. 9 Contacts

Add contacts

You have four ways to add new contacts:

- Add new contacts with Contacts app:

  1) Go to **Tools** > **Contacts** and tap (You can also tap **ADD A CONTACT** if you are adding

a contact for the first time). Tap ✓ to save the contact to your phone or tap **ADD NEW ACCOUNT** and follow the onscreen instructions to save contact to your personal account so that you can always get the contact information when logging in the account. Now begin adding new contact(s).

2) Tap the contact's profile picture to choose a photo. Enter the contact's name, company, title, phone number and other contact information, and then tap ✓.

- Add contacts from call log: See Add a number from the call log.
- Add contacts from dialer:

  1) Go to Home screen, tap **Phone** > **Recent calls** > to enter the phone number.

  2) You can add the number to new contacts, tap ⊕ > **Create new contact** and enter the information, then tap ✓; you can also add the number to an existing contact, tap to choose the contact and tap ✓.
- Add contacts from messages:

  1) Go to Home screen, tap and select the message whose number you want to add to contacts.

  2) Tap ⋮ > **Add contact** > **Add contact** > **Create new contact** and enter the information, then tap ✓; you can also add the number to an existing contact, tap and choose the contact, then tap ✓.

Manage contacts

Go to **Tools** > **Contacts**, you can:

- Edit a contact: After creating a contact, you can edit their contact information at any time. This includes adding or deleting default information such as phone numbers or email addresses. You can also choose a custom ringtone or add more options, such as a birthday, nickname, or photo. Tap the contact you want to edit and tap to start editing, then tap ✓ to save the information. You can also touch and hold the contact and then tap **Edit** to edit the information.
- View contact information: Tap the contact to view the detailed contact information. You can also touch and hold the contact and then tap **View** to get the contact information.
- Share contacts:

  1) To share one contact, touch and hold the contact you want to share, then tap **Share**, choose your sharing method and follow the onscreen instructions. You can also tap the contact you want to share, then tap ⋮ > **Share**, choose your sharing method and follow the onscreen instructions.

  2) To share multiple contacts, touch and hold one of the contacts you want to share and tap **Batch**, select the contacts you want to share, then tap , choose your sharing method and follow the onscreen instructions.
- Add a contact to your favorites: Tap the contact you want to add to your favorites, and then tap ☆. You can tap ★ to remove the contact from your favorites.
- Add a contact to blacklist: Touch and hold the contact you want to block and then tap **Add to blacklist**; you can also tap the contact and then tap ⋮ > **Add to blacklist**. (To remove the number from blacklist, tap the contact and then tap ⋮ > **Remove from blacklist**. You can also touch and hold the contact, then tap **Remove from blacklist**.)
- Delete contacts:

  1) To delete one contact, touch and hold the contact you want to delete, then tap **Delete** > **OK**. You can also tap the contact you want to delete and tap ⋮ > **Delete** > **DELETE**.

  2) To delete multiple contacts, touch and hold one of the contacts you want to delete and tap **Batch**, check the contacts you want to delete, then tap > **OK**.

- Divert calls to voicemail: Tap the contact, then tap ⋮ and check **All calls to voicemail** to divert the calls from this contact to voicemail when your phone is switched off or when there is no cellular. Callers can leave a voice message which you can listen to later.
  Note:
  Voicemail must be supported by your carrier. Please ensure that you have subscribed to this service. Contact your carrier for information about their voicemail service.

Contact groups

After you have created contacts, go to **Contacts**, you can:

- Create a group: Tap **Groups** > + to enter a group name, and then tap to select the contacts you want to add to the group and tap to save.
- View groups: Tap **Groups** to view all the contact groups. The figure beside the group name shows the number of contacts in that group. Tap the group name to view the detailed contacts.
- Edit a group: Tap **Groups** and tap the group you want to edit, then tap and you can rename the group, add new members or remove members from the group.
- Delete a group: Tap **Groups** and tap the group you want to delete, then tap > **OK**.

5 Messages

Use Messages to keep in touch with your friends.

- Type of messages
- Send and reply to a message
- Search for messages
- Manage your messages

5. 1 Type of messages

Text Messages (SMS)

The Short Messages Service (SMS) lets you send and receive text messages to and from other mobile phones.

Multimedia Messages (MMS)

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as pictures, videos, and audio messages) to and from other mobile phones.

5. 2 Send and reply to a message

Send messages

Spice up your messages by adding emotions, images, videos, music, recordings, and more.

1. On the Home screen, go to Messages > Start chat.
2. Enter the contact name or phone number in the recipient box.
3. Enter your message in the text field. You can tap + to add attachments.
4. Tap to send.

Reply to a message

You can reply to a message by following ways:

- On the Home screen, tap Messages. In the list of message threads, tap a contact name or phone number to view your conversations. Select the text field and enter your message, and then tap .
- New messages will be displayed in a popup box at the top of the screen, you can also swipe down from the top of the screen to open the message Notification Panel, tap REPLY VIA SMS and enter your message in the text field to reply quickly, tap MARK AS READ to mark the message as read. If you tap the new message, the conversations will be displayed on the screen.

5. 3 Search for messages

Use the message search feature to find messages quickly.

1. On the Home screen, tap Messages > .
2. Enter one or more keywords. The search results will be displayed underneath the search bar.

5. 4 Manage your messages

Manage messages

1. On the Home screen, tap **Messages** to go to the conversation list.
2. Tap a conversation, swipe the screen down or up to select the message you want to manage, then tap and hold the message, and you can:
   - Share the message: Tap , and follow the onscreen instructions to complete.
   - Copy the message: Tap to copy the message.
   - Delete the message: Tap .
   - Forward the message: Tap > **Forward**.
   - View details about the message: Tap > **View details**.

Manage conversations

1. On the Home screen, tap **Messages**.
2. In the message list, tap and hold the conversation, you can:
   - Archive the conversation: Tap . To archive conversations in batch, select multiple conversations and tap .
   - Delete the conversation: Tap . To delete conversations in batch, select multiple conversations and tap .
   - Add contacts: This function only appears when you have not set the number as your contacts. Tap to add the number to a contact or create a new contact.
   - Block unwanted conversations: When you block the unwanted messages, you will no longer receive calls or texts from the blocked number. Tap . Besides, you can also tap > **Blocked contacts** > **ADD A NUMBER** and enter the number you want to block.

Note: On the Home screen, tap **Messages** > > **Archived** to view the archived conversations.

Configure more settings for a conversation

On the Home screen, tap **Messages** to open the conversation list. Tap a conversation and tap , you can:

- Add contact: Add the number to a contact or create a new contact.
- Details: View more details about this conversation.
- Search: Enter the key words to search the content of the conversation.
- Archive/Unarchive: Archive or unarchive the conversations.
- Delete: Tap to delete this conversation.
- Help & feedback: Tap to view the help of messages and send feedback if needed.

5. 5 Message settings

On the Home screen, tap **Messages** > > **Settings** > **General**, and you can configure the following settings:

Default SMS app

Tap **Default SMS app** to change your default SMS app. **Messages** is default.

Notifications

Tap **Notifications**, turn on the switch to enable notifications when you receive messages.

Hear outgoing message sounds

Switch on **Hear outgoing message sounds** to enable the outgoing message sounds.

Set your current country

Tap **Your current country** to choose the current country. By default, your neffos will automatically detect your location for current country when you have enabled location service for your phone.

Show previews in messages

Tap **Automatic link previews** and enable or disable showing previews in messages and downloading previews on Wi-Fi.

6 Camera and Photos

Use multiple features of your camera to capture your precious moments.

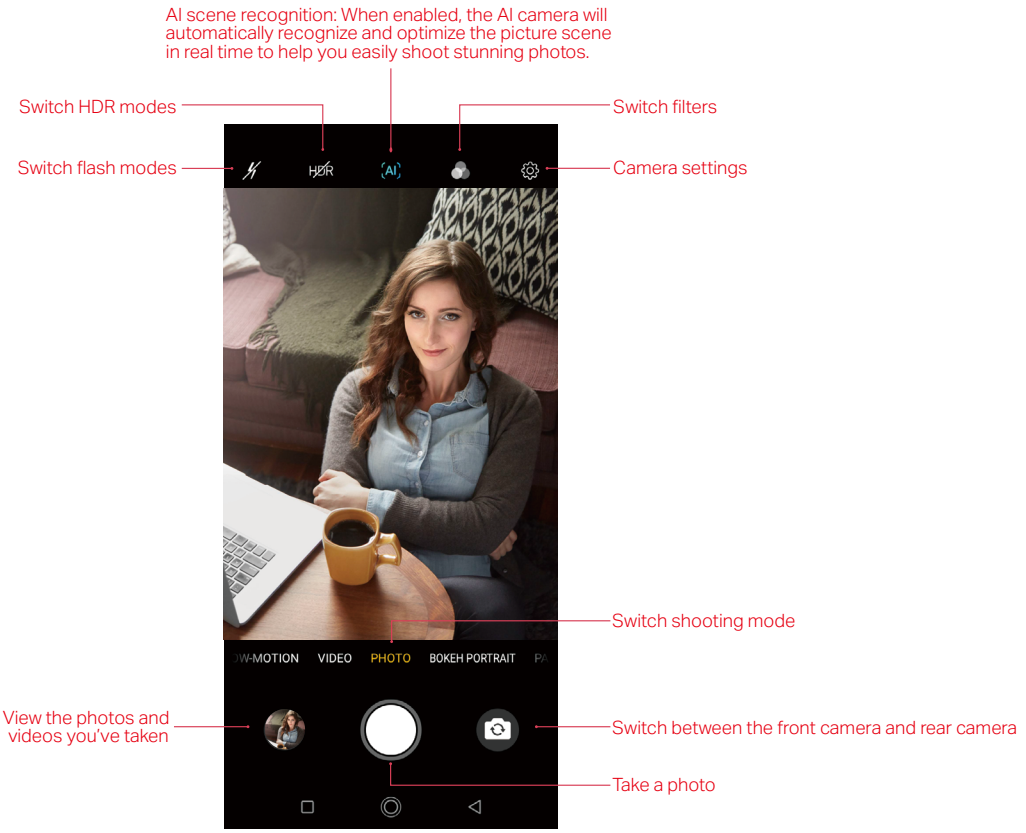
- Camera at a glance
- Take a photo
- Record a video
- Shooting modes
- Camera and video settings
- Photos

6. 1 Camera at a glance

Launch your camera

- On the Home screen: Tap Camera.
- On the Lock screen: Just swipe up.
- On the off screen: Press the Volume-down button twice to snapshot.

Camera screen


AI scene recognition: When enabled, the AI camera will automatically recognize and optimize the picture scene in real time to help you easily shoot stunning photos.
Switch HDR modes
Switch filters
Switch flash modes
Camera settings
Switch shooting mode
VIDEO
PHOTO
BOKEH PORTRAIT
View the photos and videos you've taken
Switch between the front camera and rear camera
Take a photo

1. Tap the viewfinder to manually focus. Touch and hold an area of the viewfinder to lock the focus when **AE/AF Lock** appears.
2. Swipe up or down the viewfinder to switch the rear and front camera.

3. Swipe left or right on the viewfinder to display the list of shooting modes.

6. 2 Take a photo

1. On the Home screen, tap **Camera**.
2. Pinch two fingers together or spread them apart on the viewfinder to find the area you want.
3. Tap to switch between the front camera and rear camera.
4. Tap or press Volume button to take a photo.

6. 3 Record a video

1. Open Camera.
2. Swipe the screen left or right to switch to VIDEO mode, frame the scene you want to capture, tap any part of the viewfinder to focus on the corresponding area, and lock the exposure and focus by touching and holding the screen. To adjust the focal length, pinch two fingers together or spread them apart on the viewfinder.
3. Tap to switch between the front camera and rear camera.
4. Tap or press the Volume button, or press and hold your fingerprint sensor to start a video recording. Tap to pause the recording and tap to continue the recording. Tap on the screen during recording to save the current scene as a photo.
5. Tap or press the Volume button, or press and hold your fingerprint sensor to stop and save the recording.

6. 4 Shooting modes

Your phone features a variety of different camera modes for different shooting scenarios.

TIME-LAPSE

Make an accelerated video of a slow-changing scene. For example, you can record the opening of a flower or the movement of clouds.

1. Swipe the screen left or right to switch to TIME-LAPSE mode. Tap ⓘ to view the details about TIME-LAPSE mode.
2. Tap to switch between the front camera and rear camera.
3. Tap to display flash mode's three options and select a flash mode, and tap 1s to set time-lapse as 1s, 2s, 5s or 10s.
4. Tap the screen to focus on an object or area. Then tap or press the Volume button, or press and hold your fingerprint sensor to start recording.
5. Tap or press the Volume button, or press and hold your fingerprint sensor to end the recording.

SLOW-MOTION

Record videos in slow motion to enjoy fast moving scenes in detail, such as falling water droplets or dance moves.

1. Swipe the screen left or right to switch to SLOW-MOTION mode. Tap ⓘ to view the details about SLOW-MOTION mode.
2. Tap to display flash mode's three options and select a flash mode.

3. Tap the screen to focus on an object or area. Then tap or press the Volume button, or press and hold your fingerprint sensor to start recording.
4. Tap or press the Volume button, or press and hold your fingerprint sensor to end the recording.

BOKEH PORTRAIT

1. Swipe the screen left or right to switch to **BOKEH PORTRAIT** mode.
2. Tap to display flash mode's three options and select a flash mode. Tap to switch on bokeh.
3. Tap to display beauty mode's three options:
   - Disable beauty mode: Tap to switch off beauty mode.
   - Enable AI beauty mode: Tap to switch on AI beauty. Then the camera will intelligently customize the exclusive beauty scheme according to the facial characteristics of the characters, so as to achieve the beauty effect easily.
   - Enable custom face beauty mode: Tap to switch on custom face beauty mode. Then follow the onscreen instructions to personalize the beauty effect.
4. Tap to switch between the front camera and rear camera.
5. Tap or press Volume button to take a photo.

PANORAMA

Use this mode to take wide-angle shots.

1. Swipe the screen left or right to switch to **PANORAMA** mode. Tap to view the details about PANORAMA mode.
2. Select a suitable location and hold your phone steady, and then tap or press the Volume button, or press and hold your fingerprint sensor to start shooting.
3. Follow the onscreen instructions to take the photo. Slowly move your camera from horizontally, ensuring that the arrow stays level with the center line.
4. Tap or press the Volume button, or press and hold your fingerprint sensor to stop capturing. The camera automatically stitches the photos together to create one panoramic photograph.

Note:
Excessive deviation and moving too fast will lead to failure in capture.

FOOD

1. Swipe the screen left or right to switch to **FOOD** mode.
2. Tap to display flash mode's three options and select a flash mode. Tap to switch on bokeh.
3. Choose the view you want to capture, position the camera, and then tap or press the Volume button, or press and hold your fingerprint sensor to start shooting.

MONOCHROME

The camera comes with a separate monochrome lens that takes black and white photos with greater contrast and detail.

1. Swipe the screen left or right to switch to **MONOCHROME** mode.
2. Tap to display flash mode's three options and select a flash mode. Tap to switch between the front camera and rear camera.
3. Choose the view you want to capture, position the camera, and then tap or press the Volume button, or press and hold your fingerprint sensor to start shooting.

PRO

In PRO (professional) mode, you can adjust the parameters manually.

1. Swipe the screen left or right to switch to **PRO** mode.
2. Tap to display flash mode's three options and select a flash mode.
3. You can set the functions like the following:
   - Select metering mode: Tap to select a metering mode. You can select **Center-weighted metering**, **Average metering** or **Spot metering**.
   - Adjust image parameters: Tap . You can adjust the **Hue**, **Saturation**, **Brightness** and **Contrast** to make your image look more vivid.
   - Adjust the ISO: Tap **ISO** and drag the slider to set the ISO. The ISO determines the camera's sensitivity to light. Increasing the ISO will create a brighter image, but there will be a noticeable increase in noise.
   - Adjust the shutter speed: Tap **S** and drag the slider to set the shutter speed. By default, the shutter speed is set to **Auto**.
   - Set the white balance: Tap **AWB** and drag the slider to select a white balance. You can choose from filament lamp, fluorescent lamp, daylight, cloudy and shadows. You can also adjust the color temperature.
   - Adjust the exposure compensation: Tap **EV** and drag the slider to adjust the exposure compensation. This setting changes the brightness of the image. Touch and hold a setting to lock it.
   - Change the focus mode: Tap **AF** and drag the slider to select a focus mode. You can choose from **AF** and **MF** (manual focus). Touch and hold an area of the screen to lock the focus.
4. Choose the view you want to capture, position the camera, and then tap or press the Volume button, or press and hold your fingerprint sensor to start shooting.

STREAMER

Streamer mode automatically sets a slow shutter speed to take long-exposure shots of light trails. This mode produces stunning photos that have an ethereal quality. Streamer mode offers two creative shooting modes for different subjects and light conditions: **Traffic flow** and **Light painting**.

1. Swipe the screen left or right to switch to **STREAMER** mode. Tap to view the details about **STREAMER** mode.
2. Tap to change the shooting mode: **Traffic flow** and **Light painting**.
3. Tap to set a filter for your photo.
4. Choose the view you want to capture, position the camera, and then tap or press the Volume button, or press and hold your fingerprint sensor to start shooting.
5. A preview of the image is displayed in the viewfinder. Tap or press the Volume button, or press and hold your fingerprint sensor to stop capturing.

Continuous shot

Use continuous shot when you want to take a photo of a moving subject, such as during a football match. The camera will capture several images in quick succession.

1. Touch and hold the or press and hold the Volume button to start the burst sequence. The number of captured photos will be displayed in the bottom of the viewfinder.
2. Release or Volume button to stop the burst shooting.
3. Tap the image thumbnail or go to **Photos** > **Camera** to view the photos.

Note:

1. This feature is not available in Pro mode, Panorama mode, Streamer mode and Face beauty mode.
2. You can take up to 40 photos in one burst sequence, provided that there is enough storage space on your phone.

6. 5 Camera and video settings

Open Camera, tap to configure the following camera settings.

- Auto night view: Turn on the switch to enable night mode when there is inadequate ambient light.
- Save the location: Save the location where the photo was taken (only when your phone is connected to the internet and enabled location access).
- Photo size: Tap to set picture size as you want.
- Video quality: Tap to set video quality as you want.
- Grids: When **Grids** is on, composition of pictures is more convenient.
- Camera watermark: When **Camera watermark** is on, there will be a watermark of brand model added to the photo.
- Shutter sound: When **Shutter sound** is on, a shutter sound is played during taking a picture or recording a video.
- Timer: Set time-lapse interval, such as Off/3/10 seconds.
- Take photos with volume buttons: Turn on the switch, you can press the Volume-up button or Volume-down button to take photos.
- Press and hold your fingerprint to capture: Turn on the switch, you can take photos with pressing and holding your fingerprint.
- Screen off snapshot: Turn on the switch, you can press the Volume-down button twice to take a photo when the screen is off. Due to the rapid capture time, the image quality may decrease for night-time or close-up shots. Choose a location with ample light and shoot from a suitable distance. The feature is not available during music playback or when your phone has less than 2% battery power remaining. Flash mode is not available when your phone has less than 5% power remaining.
- Mirrored selfie: When **Mirrored selfie** is on, the preview direction will be consistent with the selfie shooting direction. Otherwise the photos appears to reverse left and right.
- Mirrored video for front camera: When **Mirrored video for front camera** is on, the preview direction will be consistent with the selfie recording direction.
- Smart selfie zoom: Turn on the switch to make the selfie camera smart zoom.

6. 6 Photos

View photos and videos

On the Home screen, tap **Photos** to view the following photos and videos:

- Photos and videos shot with the camera.
- Photos and videos that your friends shared with you.
- Photos and videos synced from your computer.
- Photos and videos saved from messages, emails, or websites, as well as screenshots.

Edit an image

You can use the image editing tools to bring your photos to life.

Select an image you want to edit and tap .

1. Tap and select a filter to add a filter.
2. Tap and you can adjust image parameters to make your image look more vivid.
3. Tap and you can:

- Crop an image: Drag the dotted edges to crop the image to the desired size. Tap to choose a proportion.
- Straighten an image: Slide the scaleplate to make a slight adjustment to the angle of the photo and crop the excess part of the photo to maintain the original aspect ratio.
- Rotate an image: Tap to adjust the angle of rotation.

Then tap **DONE** to save the edit. If the effect is not satisfied, tap **RESET** to reset.

4. After editing, tap **Save copy** to save

Edit a video

You can use the photos' video editing tools to edit a video.

1. On the Home screen, tap **Photos** and select a video you want to edit.
2. Tap and you can:
   - Stabilize: Tap to stabilize the video.
   - Rotate: Tap to rotate the video.
3. After editing, tap **SAVE** to save the edit.

Manage photos and videos

On the Home screen, tap **Photos**, and you can do the following options:

- Share a photo or video: Select a photo or a video, tap , choose a sharing method and follow the onscreen instructions to share your it.
- Edita photo or video: Select a photo or a video, tap to edit. For more information about editing a photo or a video, see Edit an image or Edit a video.
- View details: Select a photo or a video, tap to view the detailed information.
- Move to trash: Select a photo or a video, tap > **Move to trash** to move it to trash.
- Cast a photo or a video to other device: Select a photo or a video, tap and follow the onscreen instructions to cast a photo or a video to other device.
- View the photos as slideshow: Select a photo, tap > **Sildeshow** to view the photos as slideshow. Tap the screen to stop the slideshow.
- Use a photo as wallpaper or contact photo: Select a photo, tap > **Use as** to use the selected picture as wallpaper or contact photo.
- Print a photo: Select a photo, tap > **Print**. Configure the settings and then print out the photo.
- Loop video: Select a video, tap > **Loop video** to enable loop playing.
- Delete from device: Select a photo or a video, tap > **Delete from device** to delete it.

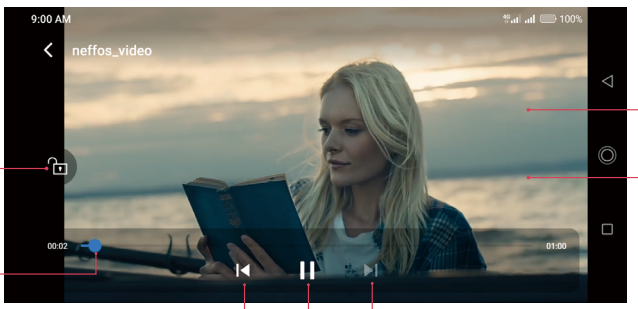
7 Videos

Use Videos to enjoy videos stored on Neffos.

- Play a video
- Video management

7. 1 Play a video

On the Home screen, tap ^ > Videos, and tap the video you want to play.



During playback, you can:

- Adjust the screen brightness: Swipe up or down on the left-hand side of the screen. Swipe up to increase the brightness, or swipe down to decrease the brightness.
- Adjust the volume: Swipe up or down on the right-hand side of the screen. Swipe up to increase the volume or swipe down to decrease the volume.
- Rewind or fast-forward: Swipe left or right on the screen to accurately adjust the video progress bar. Drag the progress bar left to rewind or right to fast-forward.

7. 2 Video management

Share/delete a video and see the details of a video

1. On the Home screen, tap ^ > Videos > ALL Videos, or go to Videos > Folders and tap to open a folder.
2. Touch and hold a video, you can:
   - Share the video: tap .
   - Delete the video: tap .
   - See the details of the video: tap .

Delete the video folders

1. On the Home screen, tap ^ > Videos > Folders.
2. Touch and hold a video folder, then select the folders you want to delete, tap > DELETE.

Sort the videos

1. On the Home screen, go to Videos > ALL Videos, or go to Videos > Folders and tap to open a folder.
2. Tap to choose sort the videos by name or by date added or by recently played.

Search the videos

1. On the Home screen, go to Videos > ALL Videos, or go to Videos > Folders and tap to open a folder.
2. Tap and then enter the key words to search.

8 Clock

In the Clock application, you can add alarms, view world times, use the stopwatch and timer features.

- Alarm
- Worldclock
- Stopwatch
- Timer
- Clock settings

8. 1 Alarm

Set an alarm to wake you up or remind you about important events.

Launch your Alarm

- On the Home screen: Tap > Clock > .
- On the Lock screen: When your phone doesn't have a screen lock with pattern or PIN or password, just swipe up and tap > .

Create an alarm

1. Tap , choose a time for the alarm.
2. Tap **Repeat** to select the mode for your alarm clock frequency:
   - Choose **Only once** to make the alarm ring for once.
   - Choose **Every day** to make the alarm ring every day.
   - Choose **Week customized** to customize your alarm clock frequency as desired.
   - Choose **Every other day** to customize your alarm clock frequency as desired.
   - Choose **Custom monthly** to customize your alarm clock frequency as desired.
3. Tap **Alarm ringtone** to select the alarm sound, or tap **Alarm ringtone** -> **Custom** to select an audio to customize your alarm sound.
4. Toggle **Vibrate** to enable or disable vibration when the alarm rings.
5. Tap **Label** to add a label for your alarm clock.
6. Toggle **Alarm ring notification** to enable or disable dismissing an alarm with this notification 20 minutes before the alarm rings.
7. Configure the alarm settings above and tap to save.

Manage alarms

- Enable or disable an alarm: Toggle the switch next to the alarm to enable or disable the alarm.
- Delete an alarm: Touch and hold the alarm you want to delete and then tap > **DELETE**. You can also delete alarms in batches by touching and holding an alarm to select multiple alarms at a time.
- Snooze: You can snooze the alarm in three ways:
  - When the screen is locked, tap SNOOZING then the alarm will go off again after 5 minutes; when the screen is on, tap **SNOOZING** on the pop-up prompts then the alarm will go off again after 5 minutes.

- When the screen is locked, press the Power button then the alarm will go off again after 5 minutes. When the screen is on, press the Power button twice then the alarm will go off again after 5 minutes.
- Swipe down from the status bar to open the Notification Panel, and then tap the alarm notification. Press the Volume button then the alarm will go off again after 5 minutes.

- Dismiss: When the screen is locked, slide to stop the alarm; when the screen is on, tap DISMISS on the pop-up prompts to stop the alarm.
- Mute an alarm: When the alarm goes off, open Clock and you can press the Volume-down button to mute an alarm.

8. 2 Worldclock

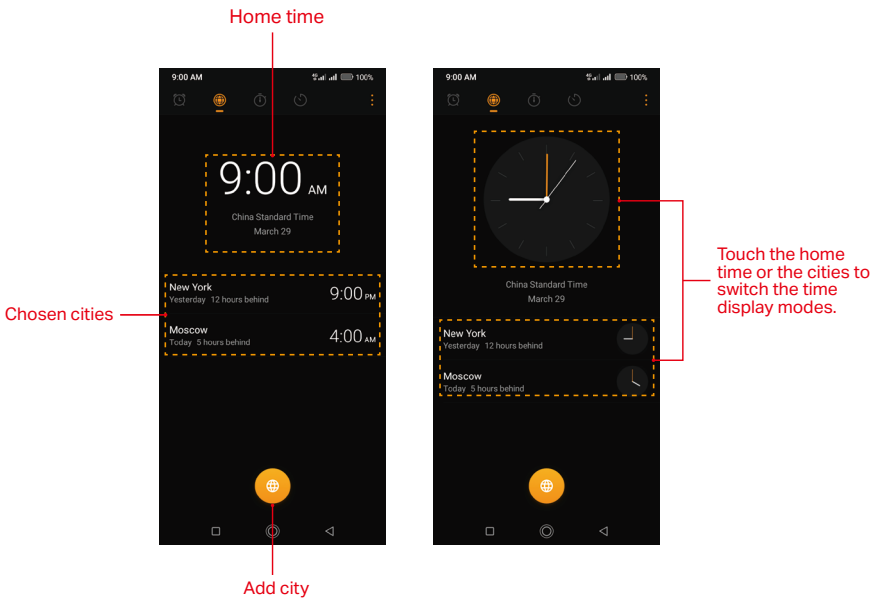
Check the time in various cities around the world using Worldclock.

Launch your Worldclock

- On the Home screen: Tap > Clock > .
- On the Lock screen: When your phone doesn't have a screen lock with pattern or PIN or password, just swipe up and tap > Worldclock.

Configure the Worldclock

1. Tap Worldclock.
2. From the Worldclock screen, you can:
   - Add a city: Tap . Enter a city name or select a city from the list.
   - Search for a city: Go to > , enter a city name to search for a city and tap to add it to the list.
   - Delete a city: Touch and hold a city, then check the cities you want to delete and then tap > DELETE.



8. 3 Stopwatch

You can use Stopwatch to keep time or record lap times.

Launch your Stopwatch

- On the Home screen: Tap > Clock > Stopwatch.
- On the Lock screen: Just swipe up and tap > Stopwatch.

Configure the Stopwatch

1. Tap Stopwatch.
2. Tap to start timing. While timing, Tap to count laps. Lap data will be displayed on the screen. Tap to copy the lap.
3. Tap to pause the stopwatch.
4. Tap to clear the stopwatch records and restart.

8. 4 Timer

Set a timer to count down and alert you when time's up.

Launch your Timer

- On the Home screen: Tap > Clock > Timer.
- On the Lock screen: Just swipe up and tap > Timer.

Configure the Timer

1. Tap Timer.
2. Tap to add the timer's label.
3. Turn the wheel to set the countdown time. You can also quickly add 5/15/30 minutes by using the shortcut keys under the wheel.
4. Tap to start the timer. When the timer is counting, you can tap to add another timer, and swipe up or down to switch the timers' interface. tap to pause the countdown of current interface's timer, tap to continue or tap to reset the countdown of current interface's timer.
5. When the timer goes off, tap OK on the pop-up prompts to silence the ringtone when the screen is on; tap when the screen is locked.

8. 5 Clock settings

On the Home screen, tap > Clock > > Settings to personalize your clock.

- Ring duration: Tap to select the ring duration.
- Interval before ringing again: Tap to choose a proper interval time. If you tap SNOOZING when the alarm rings, then it will ring again after the interval time.
- Sound after shutdown: Turn on the switch if you want to enable the alarm after turning off your phone.

9 Browser

Use your phone browser to surf the internet and find out all that you are curious about.

- Go to a webpage
- Browser tabs

9. 1 Go to a webpage

View a webpage

1. On the Home screen, tap **Browser**, you can view weather, news and websites on the homepage.
2. Tap the address bar and enter the web address you want to visit.
3. Tap **Go** on the keyboard.

Do more options about the web page

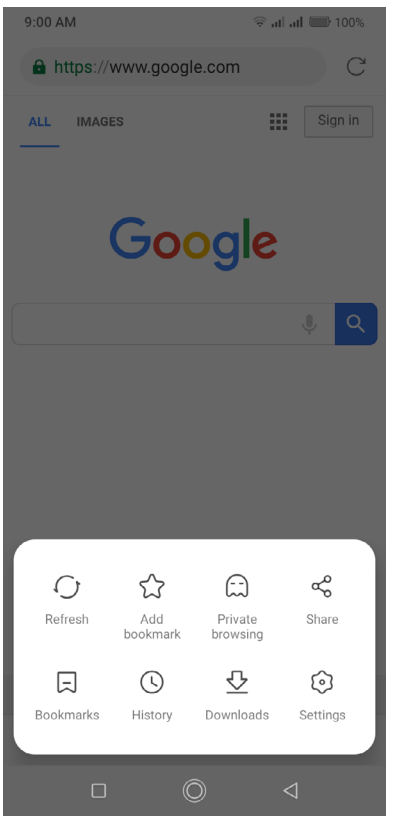
Tap < to go back to the previous page.

Tap > to go to the next page.

Tap Q to search.

Tap 1 to display the browser tabs.

Tap ☰ and choose the options that you want to configure.



- Refresh the site: Tap **Refresh** to refresh the site.
- Add a bookmark: Tap **Add bookmark** to add a bookmark for the site you want to collect. so that you can quickly find the site next time by tapping **Bookmarks**.
- Private browsing: Tap **Private browsing** to enter the private browsing mode. Under this mode, your entire Web session is more secure, since no data is retained in the history or cache.
- Share the site: Tap **Share** and follow the onscreen instruction to share the site.
- Bookmarks: View your bookmarks.
- History: View your browsing history.
- Downloads: View the contents you have downloaded.
- Settings: Configure the browser settings.

9. 2 Browser tabs

You can view multiple pages simultaneously using tabs. Tap the icon [1] and all the pages will be displayed. The number on the icon means the current number of the web pages.

Open a new tab

You can open a tab by the following ways:

- Tap **Browser** > [1] > +.
- Tap **Browser** > [1] > ⋮ > **New tab**.

Open an incognito tab

Tap **Browser** > [1] > ⋮ > **New incognito tab** to open an incognito tab. In the incognito tab, pages you view won't stick around in your browser's history, cookie store, or search history after you've closed all of your incognito tabs.

Close tabs

Tap **Browser** > [1]. And drag the tab left or right to close the tab or tap × to close the tab.

To close all the tabs one time, tap **Browser** > [1] > ⋮ > **Close all tabs**.

10 Google Play Store

Use Google Play Store to download applications to you phone as desired. Applications are available through Google Play Store either free of charge or at a cost.

- Add an account to your Google Play Store
- Download and install applications

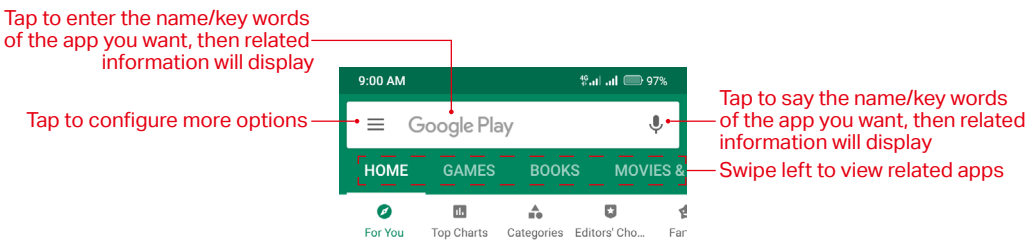
10. 1 Add an account to your Google Play Store

To get applications from the Google Play Store, you'll need to log in an account on your device. When you add an account, information associated with that account automatically syncs with your phone.

When using Google Play Store for the first time, you will first enter **Sign in** screen, then enter your account on the **Email or phone** line or tap **Or create a new account** to apply for a new account, then follow the onscreen instructions to log in your account.

10. 2 Download and install applications

1. Find the application you want. There are three ways:
   - Use the search bar or voice search to manually find the applications you want.
   - Swipe the screen left to find the category of the app you want and tap the category, related applications will display on the screen.
   - Swipe the screen down to get the latest push applications.


Tap to enter the name/key words of the app you want, then related information will display
Tap to configure more options
9:00 AM
97%
Google Play
HOME
GAMES
BOOKS
MOVIES &
For You
Top Charts
Categories
Editors' Cho...
Tap to say the name/key words of the app you want, then related information will display
Swipe left to view related apps

2. Tap the application and then tap **INSTALL**.
3. When downloading, you can always swipe down from the status bar to view the download progress. When downloading completed, the application will be installed on your phone automatically.
4. The app will be displayed in App drawer by default. (To configure more settings about this, see Home screen settings). Tap the app icon, follow the onscreen instructions to set the application permissions to protect your phone and privacy, then you can start using it.

11 Themes

Themes helps you to personalize your Home screen by changing the theme, wallpaper, Lock screen style, and icon style.

- Change the theme
- Change the wallpaper
- Change Lock screen style
- Change the icon style

11. 1 Change the theme

1. On the Home screen, tap **Themes**.
2. Select a theme, then the preview of the currently selected theme will display on the screen.
3. If the theme is right for you, tap **APPLY** to apply the theme; if it is not appropriate, tap < in the upper left corner and repeat step 2 and step 3 above.

11. 2 Change the wallpaper

Wallpaper settings let you set an image or photo as wallpaper for the Lock screen or Home screen.

Launch the wallpaper

There are three ways to Launch the wallpaper.

- Tap **Themes** > **CUSTOM** > **Lock screen wallpaper**/Home screen wallpaper.
- Tap **Settings** > **Display** > **Wallpaper**.
- Touch and hold the Home screen's blank area or pinch two fingers together on the Home screen, then tap **Wallpapers**.

Change the wallpaper with system-provided wallpapers

1. On the Home screen, tap **Themes** > **CUSTOM** > **Lock screen wallpaper**/Home screen wallpaper.
2. Select a desired wallpaper from system-provided wallpapers.
3. Tap screen to toggle **Lockscreen Preview**/**Homescreen Preview** which shows a preview of the currently selected wallpaper without applying it. You can swipe the screen left or right to change the wallpaper.
4. Tap **APPLY**, and then follow the onscreen instructions to set it as the Home screen or Lock screen wallpaper (or both).

Customize your wallpaper

1. On the Home screen, tap **Themes** > **CUSTOM** > **Lock screen wallpaper**/Home screen wallpaper.
2. Tap + and select an image.
3. Tap screen to toggle **Lockscreen Preview**/**Homescreen Preview** which shows a preview of the currently selected wallpaper without applying it. You can zoom in the picture, swipe it and select the part you want. On **Homescreen Preview** screen, check **Scrolling effect**, and you can zoom and move the image to adjust the maximum display area of the wallpaper.

4. Tap **APPLY**, and then follow the onscreen instructions to set it as the Home screen or both.

Set loop Lock screen wallpapers

1. On the Home screen, tap **Themes** > **CUSTOM** > **Lock screen wallpaper**/Home screen wallpaper.
2. Swipe the screen left or tap **Loop wallpapers**.
3. Switch on **Loop lock screen wallpapers**. If you haven't selected a screen lock method, follow the onscreen instructions to set.
4. Tap **Interval** to make the Lock screen wallpaper change automatically at preset intervals.
5. Tap **Loop wallpaper library**, you can:
   - Preview Lock screen wallpaper effect: Tap the picture and a preview of the currently selected wallpaper will be displayed. You can swipe the screen left or right to preview more Lock screen wallpaper effect.
   - Add pictures into loop Lock screen wallpaper library: Tap ⊕ to add pictures into your loop Lock screen wallpaper library as desired.
   - Remove from your loop Lock screen wallpaper library: Tap the picture you don't like and then tap 🗑 at the bottom of the screen. You can also touch and hold one of the existed pictures and select the ones you want to remove from your loop Lock screen wallpaper library, then tap 🗑.

11. 3 Change Lock screen style

1. On the Home screen, tap **Themes** > **CUSTOM** > **Lock screen style**.
2. Tap one of the Lock screen styles and swipe the screen left or right to preview the different Lock screen style effect. Select the desired Lock screen style and tap **APPLY**.

11. 4 Change the icon style

1. On the Home screen, tap **Themes** > **CUSTOM** > **Icons**.
2. Tap one of the icon styles and swipe the screen left or right to preview the icon style effect.
3. Select the desired icon style and tap **APPLY**.

12 Weather

Use Weather to check the current weather and multi-day forecast for your location and many other cities around the world.

- Check the weather
- Weather settings

12. 1 Check the weather

Weather allows you to check the current weather and multi-day forecast for your location and many other destinations around the world.

When using **Weather** for the first time, please read the **Weather Terms of Service** on the pop-up prompts and tap **AGREE**.

Add a city

Add multiple cities to the weather application so that you can keep track of the weather in cities of interest to you. Before adding a city, please connect to the mobile data or connect to WLAN and enable location-based services.

1. On the Home screen, tap > **Weather**.
2. Enter a city name in the **City** field and a list of cities will be displayed on the screen. Or you can tap **Add current location** to quickly get the weather of your current location.
3. You can add more cities by tapping and then enter the city name.
4. Tap a city to view its weather information. After adding two or more cities, slide the screen left or right to view the weather information of different cities.
5. On weather information screen, swipe the screen down to refresh the weather information; swipe the screen up to view the future weather and detailed information of the day: relative humidity, UV, wind speed, dew point, visibility and pressure.

Remove a city

1. Tap **Weather** > to log into the **City list**.
2. Swipe left the city you don't need and tap to remove the city.

12. 2 Weather settings

Tap **Weather** > to configure the weather settings.

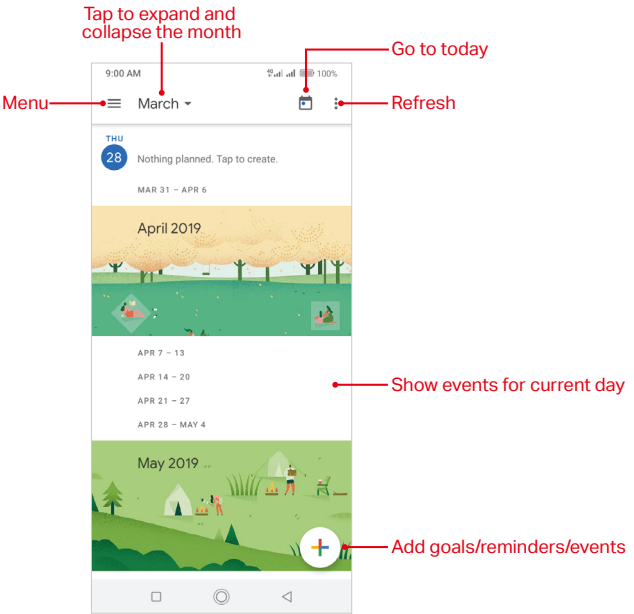
- Weather alerts: Tap to choose the city from which you want to receive weather alerts. Switch on or switch off **Weather warnings**, **Rain alerts**, **Snow and hail alerts**, **Temperature drop alerts** to enable or disable the Weather application to inform you of weather warnings, rain alerts, snow and hail alerts, falling temperature alerts for the city you choose.
- Temperature units: Tap to choose □ or □ as the temperature unit.
- Wind speed unit: Tap to choose km/h, m/s, mph or kts as the wind speed unit.
- Air pressure unit: Tap to choose hPa, mb, mm or in as the air pressure unit.
- About Weather: Tap to know about Neffos Weather.

13 Calendar

Use Google Calendar to capture your precious moments.

- Use the calendar
- Calendar settings

13. 1 Use the calendar



View the calendar

1. On the Home screen, tap Calendar.
2. Tap to select **Schedule/Day/3 Day/Week/Month** to zoom in or out your calendar.

Add goals/reminders/events

Add goals/reminders/events to help you plan ahead.

1. On the Home screen, tap Calendar.
2. Tap , choose **Goal/Reminder/Event**.
3. Follow the onscreen instructions to enter the related information and save it.

Search events/holidays

1. On the Home screen, tap Calendar.
2. Tap > **Search** and enter the key words you want to search, and tap **Search** on the keyboard. Related results will be displayed under the search bar.

Edit/delete an event

1. On the Home screen, tap **Calendar** and tap the event you want to edit or delete.

2. Tap to start editing.
3. Tap > **Delete** to delete the event.

13. 2 Calendar settings

On the Home screen, go to Calendar > > Settings > General.

- Start of the week: Tap to choose the day when a week starts on (Saturday/Sunday/Monday).
- Use device time zone: Turn on the switch to use device time zone, or turn off the switch and tap **Time zone** to choose a country time zone.
- Alternate calendar: Tap to choose an alternate calendar, such as Chinese calendar.
- Show week number: Turn on or turn off the switch to show or hide week number.
- Show declined events: Turn on or turn off the switch to show or hide declined events.
- Default event duration: This is the default duration of a newly created event. For non-Google accounts, the default is 1 hour.
- Notify on this device: Turn on the switch and tap **Calendar notifications** to configure more settings for calendar notifications.
- Quick responses: Tap to edit the quick responses.

14 Notes

Use Notes to record important information to save and view at a later time.

- Compose a note
- Note options
- Manage notes

14. 1 Compose a note

Compose a new note

1. On the Home screen, tap > **Notes** > at the bottom right corner and begin composing a new note.
2. For the content of your note, you can:
   - Add pictures: Tap to select a picture from your gallery or tap to take a picture.
   - Add graffiti: Tap to add graffiti in the note. Once you have finished the graffiti, tap and it will display in your note.
   - Add checklists: Tap to add checklist in the note.
   - Add a numbered list: Tap to add a numbered list.
   - Add a bulleted list: Tap to add a numbered list.
3. After finishing composing, tap to save the note.

Make a note during a call

Tap **Notes** on the call interface to edit notes during a call and then tap . These notes are saved in **Notes** > > **Call** by default.

14. 2 Note options

On the Home screen, tap > **Notes** and select the note you want to edit more, you can:

Set reminders

Tap to set times for your notes to receive reminders so you can deal with them on time.

Add the note to favorites

Tap in the upper right corner to light it up for important contents. means the note have been saved in **Favorites**. To see the notes you have added to favorites, go to **Notes** > > **Favorites**.

To remove the note from favorites, tap the note and then tap .

Change the note background color

At the upper right corner, tap > **Background Color** and select the color you want to set as your note background color. The default background color is white.

Share the note

At the upper right corner, tap > **Share** and choose the way you want to share: **Share as text**/**Share as image**, then choose the way you want to share and follow the onscreen instructions. It is noted

that when there are pictures or graffiti in the note, they can only be shared in the form of image.

Save the note as picture

At the upper right corner, tap > **Saved as picture** to save the note as picture. And the note picture will be kept in **Photos**.

Note: If you have ever shared the note, then it is already saved as picture in Photos.

Modify a group

At the upper right corner, tap > **Modify a group**, then you can either set a new group for the note by tapping **Add group**, entering the group name and tapping **OK**, or you can select one of the groups displayed.

Pin to Home screen

At the upper right corner, tap > **Pin to home screen** and the note will be pinned to Home screen.

To remove the note from Home screen, touch and hold the note on the Home screen, then drag it to **Remove** in the status bar.

Print the note

Make sure your printer and phone connect to the same WLAN network. Then in the upper right corner, tap > **Print** > **Select a printer** to choose your printer, and follow the onscreen instructions to print the note as desired.

Delete the note

At the upper right corner, tap > **Delete** to delete the note.

14. 3 Manage notes

Search notes

On the Home screen, tap > **Notes** > and enter the key words to quickly find the notes you want.

View your notes in an organized way

1. On the Home screen, tap **Notes** and all your notes are displayed in chronological order.
2. Tap to enter the **Group** screen and view your notes in an organized way:
   - Tap **All notes** to view all your notes.
   - Tap **Quick notes** to view the notes you neither set for a group nor added to favorites.
   - Tap **Favorites** to view the notes you added to favorites.
   - Tap **Call** to view the notes you composed during a call.
   - Tap **Life**, **Work**, **Study** to view the notes you classified into Life group, Work group, Study group.

Delete notes in batches

On the Home screen, tap > **Notes**, touch and hold a note, then select the notes you want to delete, and tap > **DELETE**.

Move multiple notes to the same group

1. On the Home screen, tap > **Notes**,
2. Touch and hold a note, and then select the notes you want to move to the same group.

3. Tap and select the group you want to move theses notes to. You can either tap > to add a new group and move these note to the new group.

Manage groups

On the Home screen, tap > **Notes** > , you can:

- Add a group: You have three ways to add a group:
  - Tap , enter a new group name and then tap .
  - Tap **Group management** > , enter a new group name and then tap **OK**.
  - Tap a note and then tap > **Modify a group** > **Add a group**, enter a new group name and then tap **OK**.
- Rename a group: Tap **Group management**, tap the group you want to rename, enter a new group name and then tap **OK**.
- Delete groups: Tap **Group management**, touch and hold a group, select the groups you want to delete, and then tap > **DELETE**.
- Change display order of groups: Tap **Group management**. For example, when you have added many groups in **Group** screen and you want to view **Life** notes quickly, you can tap **Group management**, touch and hold next to **Life** and swipe it up to the top, then **Life** group will display on the top under **Call** notes on **Group** screen.

Note: **All notes**, **Quick notes**, **Favorites**, **Call** these four groups cannot be renamed, deleted or changed display order.

Add note watermark

On the Home screen, tap > **Notes** > > **Note watermark**, you can switch on or switch off **Add watermark** to enable or disable add neffos watermark when creating images from notes.

15 File Manager

Access files stored on your device (including Audio, Video, Image, Document, Archive, APK, Downloads and My Favorites).

- Create a folder
- View files
- Manage files

15. 1 Create a folder

Keep your device organized by creating folders for your files.

1. On the Home screen, tap ^ > **File Manager** > **Internal storage** > ⋮ > New folder.
2. Enter the name of the new folder and touch SAVE.

15. 2 View files

On the Home screen, tap ^ > **File Manager**. Files are organized into eight categories (Audio, Video, Image, Document, Archive, APK, Downloads and My Favorites). Tap a category to view the relevant files or tap **Internal storage** to view all the files.

Search files

Use the search feature to find files quickly.

On the Home screen, tap ^ > **File Manager** > 🔍, enter the file name or keywords. Search result will be displayed below the search bar.

Sort files

Use the sort feature to arrange your files by type, name, size, or date.

1. On the Home screen, tap ^ > **File Manager**, tap the file of which you want to change the sort type for the documents: **Audio**, **Video**, **Document**, **Archive**, **APK**, **Downloads**, **My Favorites**.
2. Tap ☰, select a sort type to sort files by **Date/Name/Type/Size** as desired and set the order posted by **Asc** (ascending order) or **Desc** (descending order).

Sort Internal storage

Use the sort feature to arrange your files by type, name, size, or date.

1. On the Home screen, tap ^ > **File Manager** > **Internal storage** > ⋮ > Sort mode.
2. Select a sorting type to sort files by **Date/Name/Type/Size** as desired and set the order posted by **Asc** (ascending order) or **Desc** (descending order).

15. 3 Manage files

View the device storage

1. On the Home screen, tap ^ > **File Manager** and then tap ⓘ next to **Internal storage**.
2. Tap to view overall storage availability and storage used by different types of applications.

Configure more options for files

1. On the Home screen, tap ^ > **File Manager**, tap **Audio**, **Video**, **Image**, **Document**, **Archive**, **APK**, **Downloads**, **My Favorites**, or **Internal storage**. Then touch and hold a folder or file, you can:
   - Copy: Tap ⋮ > **Copy**, select a destination folder, and then tap **Paste**.
   - Move: Tap ⋮ > **Move** , select a destination folder, and then tap **Paste**.
   - Rename: Tap ⋮ > **Rename**, enter a new name and tap **SAVE**.
   - See the details: Tap ⋮ > **Details** to see the detailed information.
   - Add to favorites: Tap ⋮ > **Favorite** to add the folder or file to favorites. You can always view the files you added to favorites in **File Manager** > **My Favorites**. To remove the folder or file from favorites, tap ⋮ > **Unfavorite**.
   - Delete: Tap 🗑 > **DELETE**.
   - Share: Tap <, choose a sharing method and follow the onscreen instructions to share your files (Folder cannot be shared directly. You can choose one or more files to share).

ⓘ Note: When you touch and hold a folder or file, you can select multiple folders and files at a time.

Extract archives

1. On the Home screen, tap ^ > **File Manager** > **Archive**.
2. Touch and hold the archive file and then tap ⋮ > **Extract**. Or tap the archive file, tap .
3. Select where the contents of the archive should be extracted to and tap Extract.

16 Tools

Use Tools to enjoy more features of your phone.

- Sound Recorder
- FM Radio
- Compass
- Downloads
- SIM Toolkit
- Feedback
- Calculator
- Migration Assistant

16. 1 Sound Recorder

You can use the **Sound Recorder** to record sound in a variety of different scenarios, such as meetings, interviews, or your own voice.

Record sound

1. On the Home screen, tap > **Sound Recorder**.
2. Tap to start recording. In order to ensure optimum recording quality, place your phone on a flat surface and do not cover the microphone.
3. Tap to add a tag for easy reference, tap to pause or stop recording.
4. After stopping recording, tap to name the sound record and tap **SAVE** to save it.

Note:

1. The Sound Recorder app will pause recording automatically when you receive a call.
2. When the Sound Recorder app is recording sound in the background, use the controller in the Notification Panel to pause it by tapping , then tap to continue recording; or you can save the recording by tapping .

Sound Recorder shortcut

Swipe up from at the bottom of the lock screen to display lock screen features and tools, and then tap to open the Sound Recorder.

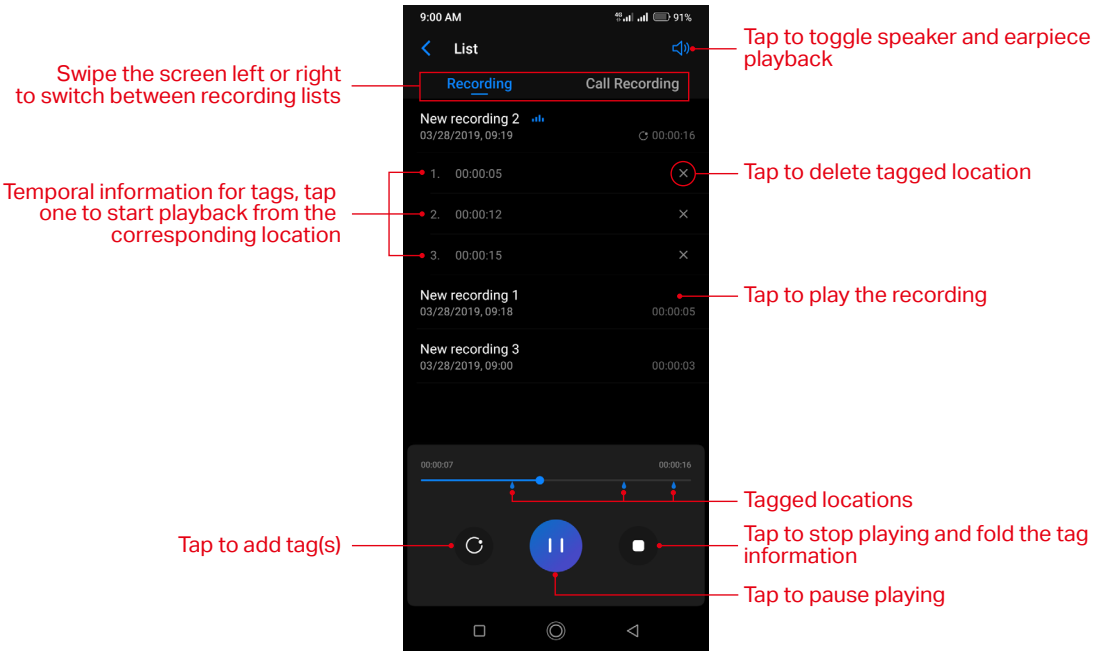
Make a call recording

1. On the in-call menu, tap to start recording.
2. Tap to end recording. Besides, recording will end automatically when the call ends. The call recording will be saved automatically.

Note: In some countries, recording during the call is illegal, so their phone may not have this feature.

View and play a recording

1. On the Home screen, tap > **Sound Recorder**.
2. Tap , select the recording file you want to play.
3. When playing a record, you can:



Manage recordings

1. On the Home screen, tap **Sound Recorder** > .
2. Touch and hold the recording, select the recordings you want to manage, and then you can:
   - Rename the recoding: Tap and enter the new name. Then tap **SAVE**.
   - Share the recordings: Tap and follow the onscreen instructions.
   - Delete the recordings: Tap > **DELETE**.

16. 2 FM Radio

Listen to radio

1. Before using FM Radio, connect an earphone to the phone.
2. On the Home screen, tap > **FM Radio** to enter the **FM Radio** screen.
3. Tap to search stations and select one. Then tap a blank area on the screen to return to the FM Radio screen.
4. Tap to play the next station, tap to play the previous station.
5. Tap to exit the FM Radio.

Configure more options

- Refresh stations: On FM Radio screen, tap the station name and then drag the slider to manually switch stations (Not all these stations have signals). You can also tap > to manually refresh searching stations (All these stations have signals), then tap a blank area on the screen to return to the FM Radio screen.
- Add a station to favorites: On FM Radio screen, tap the station name to expand (or fold) detailed menu. Then tap to add the station to favorites. For all the stations you have added to favorites, they will display on the station list whenever you search station.

- Mute the radio: On FM Radio screen, tap the station name and tap to mute the radio. Then you can tap to resume normal listening.
- Configure more settings: Tap and you can check **Speak mode** to enable loud speaker function (To use this function, an earphone should also be connected to phone). Tap > **Auto-off** to set auto-off time.

16. 3 Compass

1. On the Home screen, swipe down from the status bar to open the Quick Settings Panel and tap **Location** (If it is turned on already, move to step 2).
2. When opening **Compass** for the first time, follow the onscreen instructions to tilt your phone and calibrate the compass. On the Home screen, tap > **Compass** to open the compass and view your bearings. Swipe the screen left to view the spirit level.

16. 4 Downloads

On the Home screen, tap > **Downloads** to view the downloaded and downloading information.

View files

Go to **Downloads** > , you can tap **Images**/**Videos**/**Audio**/**Recent** to view the pictures/videos/audio/recent files in your phone.

Rank files

Select a ranking type to display your files in a list or a tile.

Go to **Downloads** > , tap it and switch the ranking type of files display mode.

Sort files

Use the sort feature to arrange your files by name or date modified.

Go to **Downloads** > **Modified**, select a sorting type to sort files: by **Name**/**Modified**/**Type**/**Size**.

Search files

Go to **Downloads** > and enter the key words to quickly find the files you want.

Configure more options

Go to **Downloads** > , you can:

- Open a new window: Tap **New window** to do operations in a new window.
- Create a new folder: Tap **New folder**, enter the folder name, and tap **OK** to save it.
- Select all files once: Tap **Select all** to select all the files in **Downloads**.
- Show internal storage: Tap **Show internal storage** to make the storage of the files in **Downloads** seen.

16. 5 SIM Toolkit

1. Before you launch the SIM toolkit, insert SIM card first.
2. On the Home screen, tap > **SIM Toolkit**.
3. Choose SIM 1 or SIM 2 to check the SIM card details.

16. 6 Feedback

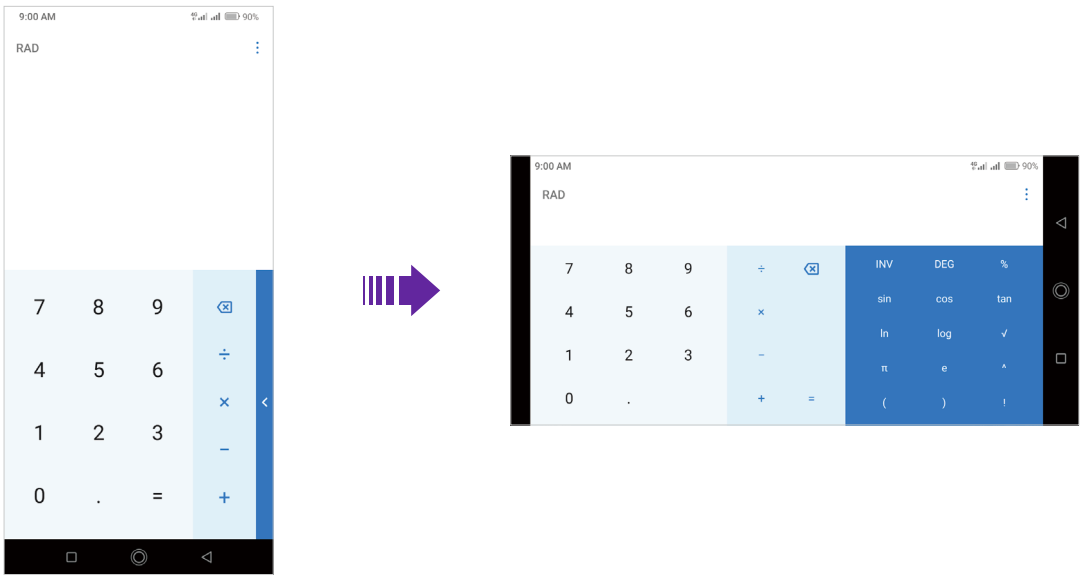
On the Home screen, tap ^ > **Feedback**, you can:

- View frequently asked questions: Some frequently asked questions are displayed on the Feedback screen. Tap the question you are interested to get the answer. You can also tap **See more FAQ** to view more frequently asked questions and their answers.
- Search questions: To quickly find the question you want, you can tap and enter the key words of your question. It is noted that you can only find the questions that are already included in **Feedback**. For more questions, you can tap **Contact us** to contact us and get the answer.
- Send feedback: Tap **FEEDBACK** and follow the onscreen instructions to enter your feedback, then tap **Submit**. You can always go to **Feedback** > to view the feedbacks you have sent.

16. 7 Calculator

Use the calculator

1. On the Home screen, tap ^ > **Calculator** to open the standard calculators.
2. Rotate the screen to access the scientific calculator (The calculator will still rotate when auto-rotation is disabled). You can also tap the blue part on the right or swipe left the operation part to access the scientific calculator.
3. Tap numbers and use the arithmetic feature to complete an operation.



Calculator shortcut

Swipe up from at the bottom of the lock screen to display lock screen features and tools, and then tap to open the calculator.

16. 8 Migration Assistant

Use Migration Assistant to migrate your data from your old phone to new phone.

1. On the Home screen, tap ^ > **Migration Assistant**.
2. On your old phone, tap **Send data**. On your new phone, tap **Receive data** to generate a receiving code.

3. Use your old phone to scan the QR code on your new phone to connect. After connected, select the data you want to migrate, and then tap **SEND**.
4. When complete sending, tap **DONE** on your old phone and **GOT IT** on your new phone.

Note: For more information about Migration Assistant, tap ⋮ > **FAQs** or tap ⋮ > **About Migration Assistant**.

17 Settings

This chapter contains the following sections.

- Dual SIM and network
- Data usage
- More connection settings
- Sounds, vibration and Do not disturb
- Display
- Notifications and status bar
- Apps
- Permissions
- App Cloner
- Screen lock, fingerprint and security
- System navigation
- Gestures and smart assistance
- Battery
- Storage
- Users
- Accounts
- Location
- Languages and input
- Date and time
- Backup and reset
- System update
- About phone

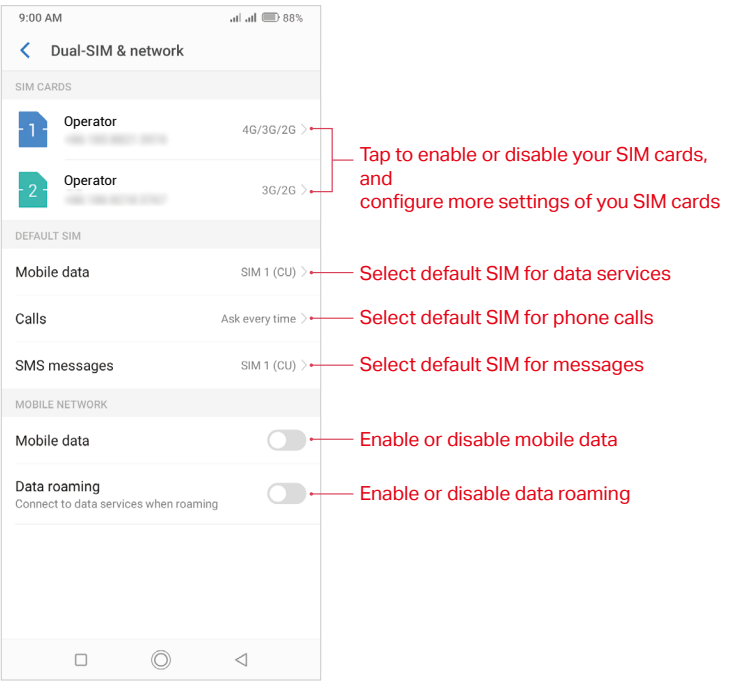
17. 1 Dual SIM and network

When two SIM cards are inserted, you can configure the default card for mobile data, phone calls and SMS messages according to your plan.

1. On the Home screen, tap **Settings** > Dual-SIM & network.
2. Tap a SIM card and configure more settings for the SIM card.
3. Choose the default SIM for mobile data, calls or SMS messages.

Note:

1. If you disable a SIM card, you will be unable to use it to make calls, send messages, or use mobile data.
2. You can configure whether you want to select a SIM card manually or use the default SIM card each time you make a call. If you choose to use the default SIM card, your phone will use that SIM card for all outgoing calls.
3. Your phone supports only dual card dual standby single pass, which means you cannot use both SIM cards for calls or data services simultaneously.



17. 2 Data usage

On the Home screen, tap **Settings** > **Data usage**, and you can configure the following settings:

View app data usage

Tap **App data usage** to see mobile data usage of your apps.

Adjust data warning and limit

Tap **Data warning & limit** and you can reset the usage cycle date, set data warning and set data limit.

Enable mobile data

Switch on **Mobile data** to enable it. To enable mobile data, you have two more ways:

- Swipe down from the status bar to open the Quick Settings Panel and tap **Mobile data**.
- Go to **Settings** > **Dual-SIM & network**, and switch on **Mobile data**.

Configure apps mobile data

Tap **Apps using mobile data network**, toggle the switch next to the apps as desired to allow or restrict the apps to use the data network.

Enable data saver

Tap **Data saver** and turn on the switch to enable data saver, and then some apps will be prevented from sending or receiving data in the background.

Note: Still, you can have some apps allowed to use unrestricted data when **Data Saver** is on. Tap **Unrestricted data access** and turn on the switch next to the app you want to enable using unrestricted data.

View WLAN data usage

Tap **WLAN data usage** to view the detailed information.

17. 3 More connection settings

On the Home screen, tap **Settings** > **More connection settings** to configure the following settings:

Airplane mode

To avoid interference, please enable airplane mode or power off your phone when you are on board a plane. When enabled airplane mode, call, mobile data, Bluetooth, and WLAN will be disabled. You can enable Bluetooth and WLAN manually, and you can still be able to play music, watch videos and use applications that do not require an internet connection.

Use any of the following methods to enable airplane mode:

- Use the shortcut switch: Swipe down from the status bar to open the Quick Settings Panel, and then tap **Airplane mode**.
- Go to Settings: On the Home screen, tap **Settings** -> **More connection settings** and then switch on **Airplane mode**.

When airplane mode is on, will display in the status bar.

Hotspot and tethering

Tap **Hotspot & tethering** to configure tethering & portable hotspot options to share your phone's mobile internet with other devices (such as phones, tablets, or computers). For more information, see Share your mobile data with other devices.

VPN

A VPN (virtual private network) is a secure connection that allows you to send and receive data across shared or public networks. You can use a VPN to connect to your company network and email server. Tap **VPN** > **Add VPN**, and follow the onscreen instructions to use it.

Cast

Mirror your screen to a larger display device when playing games or sharing content with others. Ensure that your device is connected to the same WLAN network as your display device or set-top box. Then tap **Cast** and follow the onscreen instructions to use it.

Printing

Make sure your printer and phone connect to the same WLAN network. Then tap **Printing** and your printer will display on the screen, and then follow the onscreen instructions to use it.

17. 4 Sounds, vibration and Do not disturb

On the Home screen, tap **Settings** > **Sounds, vibration & Do not disturb** to configure the volume, ringtones, and vibrations for your phone.

Volume

Tap or drag the slider to adjust the media volume, alarm volume, call volume or ring volume.

Sound mode

Tap **Sound mode** to choose Ring/vibrate/mute mode.

Vibrate on ring

Switch on **Vibrate on ring** to vibrate on ring.

Do not disturb

When **Do not disturb** is enabled, will appear in the status bar. Calls and alerts will be silenced except the items you set as priority.

Tap **Do not disturb**, and you can configure the following settings:

- Manually enable Do not disturb: Switch on **Manual** to enable **Do not disturb** immediately. You can also swipe down from the status bar to open the Quick Settings Panel, and then tap **Do not disturb**.
- Scheduledly enable Do not disturb: Switch on **Do not disturb as scheduled** and set the start time, end time and repeat for **Do not disturb**.
- Do not disturb during events: Switch on **Do not disturb during events** and tap it to rename the rule, set the events and repeat.
- Add a new rule for Do not disturb: Tap **Add** and follow the onscreen instruction to build the rule.

Ringtones and alerts

- Set the shortcut for prevent ringing: Tap **Shortcut to prevent ringing**.
- Set the ringtone for SIM cards and notifications: Tap the corresponding tab to set the ringtone.

System feedback

Toggle the switch to enable or disable sounds or vibration for dial pad, locking screen and touching.

17. 5 Display

Configure the display settings to personalize your phone. For example, you can change the wallpaper, font size, and screen-off time.

On the Home screen, tap **Settings** > **Display**. You can configure the following settings:

Enable adaptive brightness

You have following two ways to enable adaptive brightness:

- Switch on **Adaptive brightness** and your phone will automatically adjust the screen brightness according to the ambient brightness.
- Swipe down from the status bar to open the Quick Settings Panel, and check **Auto** to optimize the brightness level for available light.

Enable or disable app drawer

Tap **App drawer** and toggle the switch. When you turn off the app drawer, all of your apps will be displayed on the Home screen.

Show or hide screen notch

Tap Show or hide screen notch and toggle the switch.

Enable LED indicator

- Notifications indicator: Tap **LED indicator** and switch on **Notifications indicator**, and then the LED indicator will blink green when you receive notifications.
- Charging indicator: Tap **LED indicator** and switch on **Charging indicator**, and then the LED indicator will light in yellow when your phone is offscreen charging, and it turns to green when the charging is complete.

Enable Eye protection mode

You can enable Eye protection mode to decrease the blue light of the screen so as to reduce harm to the retina.

1. Tap **Eye protection mode** and switch on **Eye protection mode**
2. Drag the slider to adjust the color temperature for a cooler or warmer screen color.
3. Make a schedule by switching on **Scheduled** and setting the specific time.

Adjust font size

Tap **Font size**, and then tap or drag the slider to set a desired font size (small/medium/large/extra large/huge).

Automatically lock screen

Tap **Automatically lock** and select a time to make the phone lock automatically after a certain time of inactivity.

Auto-rotate screen

You have following two ways to adjust the screen rotation:

- Switch on **Auto-rotate screen**, and your screen's orientation will switch automatically depending on how you hold your phone when performing certain operations, such as browsing a web page or viewing a picture.
- Slide down from the status bar to open the Quick Settings Panel, and tap .

Lift to wake

Tap **Lift to wake** to quickly wake up your phone screen when you lift your phone.

17. 6 Notifications and status bar

On the Home screen, tap **Settings** > **Notifications and status bar**. You can configure the following options:

- Notifications on the lock screen: Tap **On the lock screen** and you can choose **Show all notification content**, **Hide sensitive content** or **Don't show notifications at all** for applications in your phone.
- Notification dots: Turn on the switch to enable notification dots for all the apps.
- Notification indicator: Turn on the switch and the notification indicator will blink green when receiving notifications.
- Default notification sound: Tap **Default notification sound** to select a desired sound for notifications.
- Manage the status bar: Turn on the corresponding switch to show real-time network speed and battery percentage on the status bar.

17. 7 Apps

1. On the Home screen, tap **Settings** > **Apps**, and view the apps in your phone.
   - View installed apps: Tap **Installed** to view the apps you have installed.
   - View all apps: Tap **All** or swipe the screen left to view all the apps in your phone.
2. Tap an app and you can configure the following options:

- Disable apps: Tap **DISABLE** button to disable an app (Some pre-installed apps cannot be disabled).
- Force stop apps: Tap **FORCE STOP** button to force stop an app.
- Uninstall apps: For an installed app, you can tap **UNINSTALL** button to uninstall the app.
- Notifications: Configure the notification settings for the application.
- Permissions: Configure permissions for the application.
- Storage: Clear data, clear cache and view the status about the used space of your phone.
- Data usage: View the data usage of the app, allow app to use the mobile data network, enable usage of mobile data in the background, and allow unrestricted data access when **Data Saver** is on.
- Battery: View and adjust the power use details.
- Open by default: Configure the settings for opening supported links in the app.

3. Tap ⋮ > **Default apps** to configure more settings for default app, including assist apps, opening links in apps and so on.

17. 8 Permissions

Your phone comes with a permission manager that you can use to restrict app permissions and protect your personal data.

Configure permissions for apps

On the Home screen, tap **Settings** > **Permissions**, and you can select either **Apps** or **Permissions** to configure the following options:

- Apps: Select an app and you can enable or disable the relevant permissions for the app. To learn more about all the permissions, tap ⋮ > **All permissions**.
- Permissions: Select a permission and you can authorize certain apps.

Manage auto start for apps

Manage auto start of apps and controls unnecessary mutual wakening between associated apps from the bottom level, as well as auto start and background start.

1. On the Home screen, tap **Settings** -> **Permissions** > ⋮ > **Startup manager**.
2. Turn on or turn off the switches next to the apps to allow or restrict the apps to run automatically.

Special app access

1. On the Home screen, tap **Settings** > **Permissions** > ⋮ > **Special app access**.
2. Select a permission type and configure the access for the apps as desired.

17. 9 App Cloner

App Cloner allows you to log in to two accounts at once.

1. On the Home screen, tap **Settings** > **App Cloner**. Apps available for **App Cloner** display on the screen.
2. Turn on the switch to enable **App cloner** for an app, will show on the lower right corner of the cloned app icon on the Home screen, differing from the original app icon.

Note: App Cloner is not supported on third-party home screens.

17. 10 Screen lock, fingerprint and security

On the Home screen, tap Settings > Screen lock, fingerprint & security to configure the following settings:

Add screen lock method

Tap Screen lock, choose one of the following methods and follow the onscreen instructions to add a screen lock method.

- None: Set no screen lock for your phone.
- Swipe: Swipe the screen to unlock your phone.
- Pattern: Use a pattern to unlock your phone.
- PIN: Use PIN to unlock your phone.
- Password: Use password to unlock your phone.

Note: To display characters and pattern when entering password and pattern on the lock screen, you can go to **Settings** > **Screen lock, fingerprints & security** and switch on Show passwords.

Add lock screen message

1. Tap Lock screen message, and enter the message.
2. Tap Save, and then the message will appear on the lock screen.

Configure fingerprint and facial recognition

To configure fingerprint and facial recognition, see Configure your fingerprint and Configure your face data.

Enable palm rejection mode

Distance sensor can help prevent misoperation of the mobile phone due to squeezing or sliding in the pocket.

Switch on Palm rejection mode to enable it.

Enable smart lock

1. To use Smart Lock, set a screen lock first. See Add screen lock method.
2. Tap Smart Lock, and enter the screenlock method you have set.
3. Read the introduction of Smart Lock. Tap GOT IT to continue and you can configure the following options.
   - Tap On-body detection and turn on the switch to keep your device unlocked when it is on you.
   - Tap ⋮ > Help to know more about Smart Lock.

Enable app lock

App lock enhances the protection of your private information and prevents unauthorized access to important apps on your device. Once you restart your phone or unlock the phone screen, you will be asked to enter your app lock method when initially opening the apps. You can use following app lock method:

- Use pattern/PIN/password as app lock method
  1. Tap App lock.
  2. Choose an app lock method (pattern/PIN/password) and follow the onscreen instructions to complete the configuration.
  3. In the UNENCRYPTED APPS list, turn on the switches next to the apps that you want to encrypt.

4. Tap Back button to verify the settings.

- Use fingerprint as app lock method
  1. To use fingerprint as app lock method, you need to add fingerprint and enable fingerprint verification first.
  2. Tap **App lock**, place your fingerprint on the sensor to enter App lock.
  3. In the **UNENCRYPTED APPS** list, turn on the switches next to the apps that you want to encrypt.
  4. Tap Back button to verify the settings.

Change App lock password

1. Tap **App lock**, and then use the app lock method (either pattern, PIN, password or fingerprint) to unlock.
2. Tap > **Change password**.
3. Choose another app lock method and follow the onscreen instructions to change the password.

Set up SIM card lock

Enable SIM card lock to prevent others from using your SIM card. You will need to enter your SIM card PIN each time you turn on your phone or insert your SIM card into another phone.

1. Contact your local carrier to get the default SIM PIN for your SIM card.
2. Tap **SIM card lock**, and select a SIM card.
3. Tap **Lock SIM card**, enter the SIM PIN and tap **OK**.

Change SIM PIN

1. To change a SIM PIN, you need to set up a SIM card lock first. See Set up SIM card lock.
2. Tap **SIM card lock**, and select a SIM card.
3. Tap **Change SIM PIN**, enter the old SIM PIN and tap **OK**.
4. Enter a new SIM PIN twice, and tap **OK**.

Note: When you change you SIM PIN for the first time, contact your local carrier for the default SIM PIN (old SIM PIN).

Remove SIM card lock

1. Tap **SIM card lock**, and select a SIM card.
2. Tap **Lock SIM card**, enter the SIM PIN you have set before, and then tap **OK**.

17. 11 System navigation

On the Home screen, tap **Settings** > **System navigation**, and then you can choose one of the following navigation modes as desired:

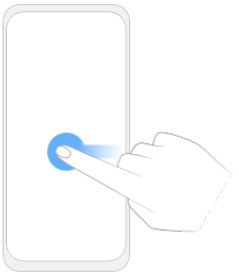
Navigation buttons

1. Select **Navigation buttons** as the navigation mode.
2. Select a button setting, and then the virtual buttons on your screen will change as desired.

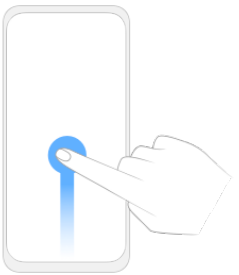
Gesture navigation

1. Select **Gesture navigation (recommended)** as the navigation mode.
2. Use the following gestures to control your phone:

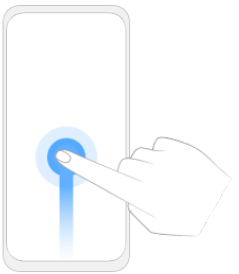
- Back gesture: You can choose to slide left from the right edge of the screen only to go back to the previous screen, slide right from the left edge of the screen only to go back to the previous screen, or slide towards the center from the left or right edge of the screen to go back to the previous screen.



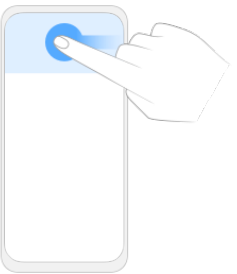
- Home gesture: Slide up from the bottom edge and release to go back to the Home screen.



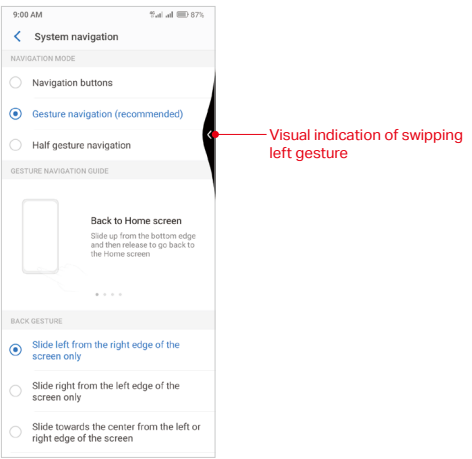
- View multi-task gesture: Slide up from the bottom edge and hold to view multi-tasking.



- App define gesture: On the screen edge that triggers the back gesture, slide towards the center from the upper half and release to set the app's definition of the gesture. Different app's definition of the gesture may be different.



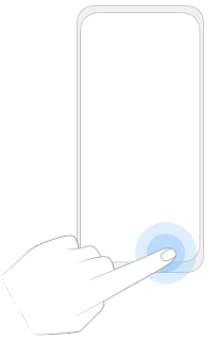
- Visual feedback: Switch on **Visual feedback**, and then you will get a visual indication of the gesture direction as shown below.


9:00 AM
87%
System navigation
NAVIGATION MODE
Navigation buttons
Gesture navigation (recommended)
Half gesture navigation
GESTURE NAVIGATION GUIDE
Back to Home screen
Slide up from the bottom edge and then release to go back to the Home screen
BACK GESTURE
Slide left from the right edge of the screen only
Slide right from the left edge of the screen only
Slide towards the center from the left or right edge of the screen
Visual indication of swipping left gesture

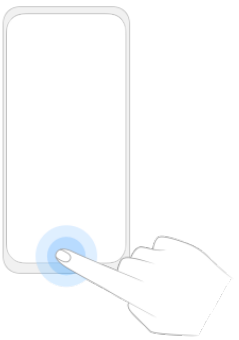
- Prevent mistaken gesture: Switch on **Prevent mistaken gestures on landscape screen**, and then you will need to slide twice for the gesture to take effect in full-screen landscape mode, such as when playing games or watching full-screen videos.

Half gesture navigation

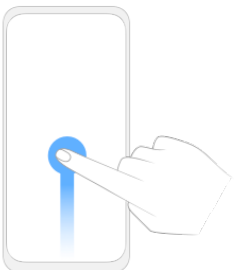
1. Select **Half gesture navigation** as the navigation mode.
2. Use the following gestures to control your phone:
   - Back gesture: You can tap Back button to go back to the previous screen.



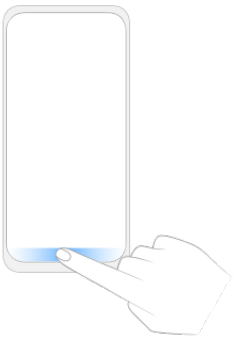
- Home gesture: Tap Home button to go back to the Home screen.



- View multi-task gesture: Slide up from the bottom edge and hold to view multi-tasking.



- Switch app gesture: Slide left and right on Home button to quickly switch apps.



17. 12 Gestures and smart assistance

On the Home screen, tap Settings > Gestures and smart assistance, and you can configure the following settings:

Use screen-off gestures

1. Tap Screen-off gestures, and turn on the switch.
2. To enable the gestures for screen control, music control, or applications control, turn on the switch next to the relevant features.

Use gestures to take screenshots

Switch on Taking screenshots by gestures, and then you can slide three fingers on the screen to take screenshots.

Use fingerprint gestures to control notifications

1. Switch on Fingerprint gestures for notification panel.
2. Use the following gestures to control notifications when the screen is not locked:
   - Show the Notification Panel: Slide your finger downward on the fingerprint sensor.
   - Clear notifications: Double-tap the fingerprint sensor.
   - Collapse the Notification Panel: Slide your finger upward on the fingerprint sensor.

Use fingerprint to take pictures

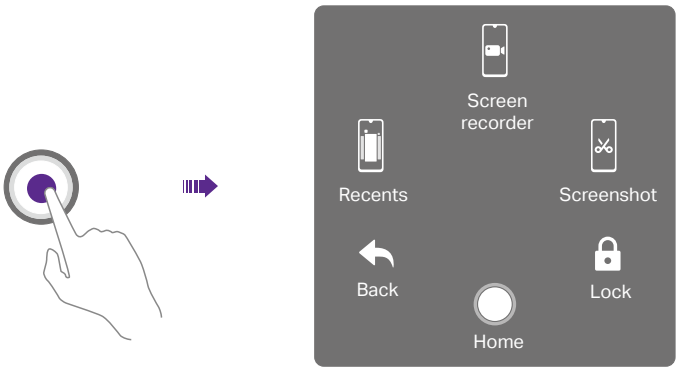
1. Switch on Press and hold your fingerprint to capture.
2. When using camera, press and hold the fingerprint sensor to take pictures.

Float button

The Float button gives you access to a number of frequently-used options and features, such as the Back button, Home button, Recent apps button, taking a screenshot and locking screen. You can move the Float button around the screen for easy one-hand use.

1. Tap Float button and turn on the switch, and the Float button ◯ will display on the screen (except the Lock screen and Notification Panel).
2. Tap ◯ to expand the Float button menu.
   - Tap ◯ to return to the Home screen.

- Tap to display the list of recently used applications.
- Tap to take a screenshot.
- Tap to return to the previous screen.
- Tap to lock the screen.
- Tap to record the screen.



Glove mode

Switch on **Glove mode** to increase screen sensitivity so that it can be operated even when wearing gloves.

Touch sensitivity

Tap or slide the slider to adjust the sensitivity of the screen.

17. 13 Battery

On the Home screen, tap **Settings** > **Battery** and configure the following settings:

View battery details

1. Tap **Details** to view the software power consumption and hardware power consumption.
2. Tap an app and you can view the battery use details of the app.

Optimize battery for apps

1. To optimize battery for apps, tap **Details** > **BATTERY OPTIMIZATION**.
2. Turn on the switches next to the apps that you want to optimize; then the battery will be optimized and the battery life will be extended.

Note: Apps with higher real-time requirements, such as email and chat apps are better not optimized, otherwise you may not receive timely information.

Change power saving mode

You can use either the following power saving mode:

- Smart power saving mode: Switch on **Smart power saving** to enable it, and then the location information service and app autostart function will be restricted; notifications will not light the screen, and visual effects will be reduced.
- Ultra power saving mode: Switch on **Ultra power saving** to enable it, and only Phone and SMS are allowed. To exit ultra power saving mode, tap > **EXIT**.

Close apps when screen is off

Off-screen cleanup enables to clear up background apps three minutes after the screen is off.

1. Tap **Off-screen cleanup**.
2. Turn on the switch next the app that you want to close when the screen is off for more than 3 minutes.

Manage background power consuming apps

- Clean up power consuming apps
  1. Tap **Background power consumption apps**, and the power consuming apps running on the background will display on the screen.
  2. Select the apps and tap **CLOSE** to reduce power consumption.
- Enable power-hungry alerts
  1. Tap **Background power consumption apps**, and switch on **Power-hungry alerts**.
  2. Tap **High power consumption reminder**, and turn on the switches of apps as desired; then a notification will be sent to you once high power consumption behavior by any app is detected.

Configure battery settings

Tap ⚙ and you can configure the following settings:

- Auto-exit power saving mod: Switch on **Auto-exit power saving mode**; then your phone will auto exit power saving mode after the battery reaches 80%.
- Show battery percentage: Switch on **Show battery percentage**; then the battery percentage will display in the status bar.

17. 14 Storage

On the Home screen, tap **Settings** > **Storage** to view storage use of your phone.

Free up space

1. Tap **FREE UP SPACE** button.
2. Select the items you want to remove, and tap **FREE UP** > **REMOVE** to free up space.

17. 15 Users

Create multiple user accounts to prevent others from viewing your confidential information, or to keep your work and personal life separate.

On the Home screen, tap **Settings** > **More general settings** > **User & account** > **Multiple users** to configure the following settings:

User types

Your phone supports user types as follows:

- Owner: Only the owner can log in to this account. As the owner, you can control all user permissions. For example, you can add or delete users, or authorize other users calling and messaging permissions. You can tap **You (Owner)** to change your username and tap 👤 to choose a profile picture from your Gallery or take a photo and use it as your profile picture.
- Guest: Guests only have limited access to your device's features. Tap ⚙ next to **Guest** and switch on **Turn on phones calls**, then your call history will be shared with the guest user.

- User: Create multiple user accounts to keep your work and personal life separate. For detailed information, see Create user accounts below. You can add up to three user accounts.

Add users

You can add up to four user accounts (including the owner and guest accounts). Use any way below to create user accounts:

- Tap + Add user > OK. You can choose to set up user now or later.
  - Set up now: Tap SET UP NOW on the pop up prompt and it will switch to the new user account. Then tap CONTINUE and follow the onscreen instructions to customize the user settings.
  - Set up later: Tap NOT NOW on the pop up prompt, then a new user account will appear on the screen. Tap New user > SET UP NOW if you want to set up the user account, and follow the onscreen instructions to customize the user settings.
- Swipe down from the status bar to open the Quick Settings Panel, tap > Add user > OK, then follow the onscreen instructions to customize the user account settings.
- Go to Settings -> More general settings -> User & account, and switch on Add users from lock screen. On the lock screen, swipe down from the status bar to open the Quick Settings Panel and tap > + Add user, and then follow the onscreen instructions to customize the user account settings.

Remove users

You can use either way below to remove user accounts:

- On the Home screen, tap Settings > More general settings > User & account > Multiple users, tap of the user account you want to delete and tap Remove user > DELETE.
- Switch to the user account you want to delete, and go to Settings > More general settings > User & account > Multiple users, tap > Delete from this device.

Switch between users

You can switch users in following ways:

- Swipe down from the status bar, tap and then select another user to switch accounts.
- On the Home screen, tap Settings > More general settings > User & account > Multiple users, tap any account to switch.
- On the lock screen, swipe down from the status bar to open the Quick Settings Panel. Tap and tap any user account to switch.

Authorize users and guest to share call and message features

Log in as the owner and you can authorize users or guest to access your contacts, call log, and call and messaging features.

1. On the Home screen, tap Settings > More general settings > User & account > Multiple users.
2. Tap of a user account and then switch on Turn on phone calls & SMS. Tap of a guest account and then switch on Turn on phone calls.

Remove guest

Log in as a guest and three ways are available for you to delete the guest account.

- Swipe down from the status bar to open the Notification Panel, then tap REMOVE GUEST.
- Swipe down from the status bar to open the Quick Settings Panel and tap > Remove guest, or tap More settings > Remove guest.
- On the Home screen, tap Settings > More general settings > User & account > Multiple users and tap Remove guest or tap > Delete Guest from this device.

Note: When logging in as the owner, deleting the guest account is not allowed.

17. 16 Accounts

When you use your phone for the first time, you can set up a connection with your existing account or create a new account.

Add an account

1. On the Home screen, tap Settings > More general settings > User & account.
2. Tap + Add account.
3. Select an account type, and then follow the onscreen instructions to enter your account information.

Delete an account

1. On the Home screen, tap Settings > More general settings > User & account. The account you have added displays on the screen.
2. Tap the account that you want to delete, and tap REMOVE ACCOUNT to delete it.

Synchronize accounts

Enable the sync feature to keep all of your phone's data up-to-date and prevent data loss. You can sync emails, contacts, and other data from your old phone or computer. The type of data that can be synced depends on the account type. Some applications may not support syncing for all data types.

1. On the Home screen, tap Settings > More general settings > User & account.
2. Synchronize accounts according to your needs:
   - Auto sync data of all accounts: Switch on Automatically sync data to let apps refresh data automatically. Then any changes you make to your accounts on the web will be automatically copied to your phone. Some accounts may also automatically copy any changes you make on the phone to the web. A Google account works this way.
   - Auto sync data of certain accounts: On the Home screen, tap ^ > Settings > More general settings > User & account, select the account you want to synchronize and tap Account sync. Turn on the switches of apps you want to sync, and tap ⋮ > Sync now.

17. 17 Location

Enable location-based services to ensure that map, navigation, and weather applications can access your location information.

On the Home screen, tap Settings > More general settings > Location to configure the following settings:

Enable Location service

Turn on the switch to enable the location services. You can also swipe down from the status bar to open the Quick Settings Panel, and tap Location.

Configure Location permissions

Tap Location permissions, and toggle the switches of the apps to enable or disable the location permissions for the apps in your phone.

Improve Location service

Tap Scanning, and you can select from following two scanning mode:

- WLAN scanning: Improve location by allowing system apps and services to detect WLAN networks at any time.
- Bluetooth scanning: Improve location by allowing system apps and services to detect Bluetooth devices at any time.

17. 18 Languages and input

On the Home screen, tap **Settings** > More general settings > **Languages & input** to manage your phone's language and input settings.

Change the system language

1. To change the system language, tap **Languages** > **Add a language** and select the language you need.
2. Tap the language to change the system language, or touch and hold the language and drag it to the top of the list to change the system language as you need.

Remove the system language

1. Tap **Languages** -> -> **Remove**.
2. Select the language you don't want and tap . If the selected language you remove is your device's current system language, text will be displayed in second language on the language list.

Switch input method

- Virtual keyboard: Tap to select the keyboards you need and turn on the switch next to the keyboard.
- Physical keyboard: Tap and switch on **Show virtual keyboard** to enable keeping the virtual board on screen when your phone is connected to a physical keyboard. Tap **Keyboard shortcuts helper** to view the available shortcuts in your phone.

17. 19 Date and time

On the Home screen, tap Settings > More general settings > Date & time to configure the following settings:

- Automatic date & time: Turn on the switch to use network-provided time. You can also switch it off to manually adjust the date and time by tapping **Set date** and **Set time**.
- Automatic time zone: Turn on the switch to use the network-provided time zone. You can also turn off the switch to manually adjust the time zone by tapping **Select time zone**.
- Date format: Turn on the **Automatic 24-hour format** switch to enable using automatic 24-hour format based on the default language area. When disabled, you can also toggle the **Use 24-hour format** switch to enable or disable 24-hour format. .
- Week starts on: Tap **Week starts on** and choose the day when a week starts on as desired.

17. 20 Backup and reset

Backups help ensure that you never lose your data. You can back up app data, WLAN passwords and other settings to Google servers. Restore your phone to its factory settings if it crashes or is slow to respond.

Back up your data

On the Home screen, tap Settings > More general settings > Backup, and switch on Back up to Google Drive. Then data of your device will regularly being saved to the Google server, including apps and apps data, call history, contacts, SMS, and device settings (including WLAN passwords and permission).

Reset network settings

1. On the Home screen, tap Settings > More general settings > Reset > **Network settings reset**.
2. Tap **RESET SETTINGS** to reset all network settings including WLAN, mobile data and Bluetooth settings. If you have set a screen lock, you will need to confirm your pattern/PIN/password first to continue.

Reset app preferences

On the Home screen, tap Settings > More general settings > Reset > **Reset app preferences**, and tap **RESET APPS**.

Reset factory data

Restore your phone to factory settings if it crashes or is slow to respond.

1. Back up important data on your phone before you reset your phone to factory settings. See Back up your data.
2. On the Home screen, tap Settings > More general settings > Reset > **Factory data reset**.
3. Tap FACTORY DATA **RESET**. If you have set a screen lock, you will need to confirm your pattern/PIN/password first so as to continue. Then your phone will restart automatically when the process is complete.

17. 21 System update

Over-the-Air updates (OTA updates)

1. To use OTA updates, you need to connect the mobile network or WLAN network, and ensure that your phone has at least 30% battery power remaining.
2. Go to Settings -> System update. Your phone will automatically check for updates.
3. If it turns out to be the latest version for your system, you have no need to update; if a new system version displays on the screen, follow the onscreen instructions to update your system.

Local updates

1. Go to http://www.neffos.com/en/support and find your phone model; then download the updates package under Firmware to your phone. You can also go to your nearest Neffos service center to download the updates package to your phone (It is recommended to use OTA updates and sometimes the updates package will not be placed on the website).
2. Ensure that your phone has at least 30% battery power remaining.
3. On the Home screen, tap Settings > System update > ⋮ > Local updates, tap the file and then tap OK to confirm update. During the update process, please do not turn off or restart the phone manually. After updating, your phone will restart automatically.

Check version

On the Home screen, tap Settings > System update > ⋮ > current to check your phone's version number.

Configure auto download settings

On the Home screen, tap Settings > System update > ⋮ > Settings, and you can toggle the switch to enable auto download update packages over WLAN or mobile network, or auto update overnight when the phone is in standby mode.

Note:

1. Using unauthorized third-party software to update your phone may render your phone unusable or put your personal information at risk. Always update through your phone's on-line update feature or send your phone to a nearby authorized Neffos service center for assistance.
2. Your personal data will not be erased during a system update unless you have installed an incompatible app. It is better to back up important data before updating your phone.
3. When updating, ensure that your phone has at least 30% battery power remaining.
4. After updating, you may find that some third-party applications are incompatible with your system, such as internet banking applications and games. This is because it takes a while for third-party application developers to release updates for new Android releases. Please wait until a new version of the application is released.
5. You can also check your phone's version number in **Settings** > **About phone** > **Software information** > **Build number**.
6. If there is any issues with your current system version, your phone will download an intact new version in your phone automatically. After downloading, there will be a notification reminding you to update your system. Then follow the onscreen instructions to update.

17. 22 About phone

1. On the Home screen, tap **Settings** > **About phone**.
2. Swipe up or down on the screen to view information about your phone, such as the Software information, IMEI information, SIM status, model number, build number and more.

Appendix A: Specifications

Specifications	
Size and Weight	Height: 159.7 mm Width: 77.3 mm Depth: 8.8 mm Weight: 172g
Color	Obsidian Black, Malachite Green
Display	6.26 inches, HD+(1520x 720), V-notch 269 PPI IPS
CPU	MTK MT6762 4 x 2.0 GHz + 4 x 1.5 GHz CPU: IMG GE8320 520Mhz
Memory	3 GB RAM + 64 GB ROM
External Memory	128GB
Camera	Front 13 Mega-pixel Rear 13 Mega-pixel+5 Mega-pixel, Dual Camera, PDAF, double flashing light
Network	Dual Nano SIM Cards (Dual SIM Dual Standby) 4G LTE/3G WCDMA/2G GSM TP9131A: 2G:Band 2/3/5/8 3G:Band 1/5/8 4G:Band 1/3/5/7/8/20 TP9131C: 2G: Band 2/5 3G: Band 2/4/5 4G: Band 2/4/7/28 A&B
Location Technology	GPS/A-GPS, GLONASS, GALILEO
Connectivity	Wi-Fi 802.11a/b/g/n/ac, 2.4G, 5G Micro USB Bluetooth: 5.0
Sensors	Fingerprint Sensor, Compass, Accelerometer, Ambient Light Sensor, Proximity Sensor
Audio	Audio formats: MP3,AAC,WAV,M4A,OGG,OGA,AMR,AWB,FLAC,MID, MIDI,XMF,IMY,RTTTL,RTX,MP4,3GP Single Mic
Video	Video formats: M4V,MP4,MOV,AVI,3GP,3G2,FLV,MKV,WEBM Decoder: 1080P/30fps Encoder: 1080P/30fps
Cloud Service	Supported

Specifications	
Battery	4100 mAh (typical)
Operation System	Android P (9.0)
In the box	Neffos X20 Pro Charger USB Cable Quick Start Guide Warranty Notice Safety Notice

Appendix B: Technical Support

Contact our technical support if you have any questions related to this product.

Countries/Regions		Support	
Global		Website	www.neffos.com
		Tel	+86 755 26504400
		E-mail	info@neffos.com support@neffos.com
		Address	South Building, No.5 Keyuan Road, Central Zone, Science & Technology Park, Nanshan, Shenzhen, P. R. China Postcode: 518057
Americas	Brazil	Website	www.neffos.com.br
		Tel	4007-2172 (Capitais e Regiões metropolitanas) 0800-608-9799 (Demais localidades) 11 2222-1245 (SP) 21 3180-0092 (RJ)
		E-mail	suporte.br@neffos.com
		Service Time	segunda a sexta-feira das 09:00 as 18:00 Sábado das 09:00 as 15:00
	Mexico	Website	www.neffos.com.mx
		Tel	+52 55 91388104
		E-mail	sales.mx@tp-link.com support.mx@tp-link.com
		Address	Goldsmith 53, Piso 1, Col. Polanco Chapultepec Del. Miguel Hidalgo, México , Distrito Federal C.P. 11560.
	Columbia	Website	www.neffos.com/co
		Tel	+57 (1)8773545
		E-mail	support.co@tp-link.com
		Address	Autop. Medellín Km 1.5 Vía Parque la Florida, Bod. 45 Parque Ind. Terrapuerto, Cota, Cund.
	Peru	Website	www.neffos.com.pe
		Tel	+51 1 2402960 Anexo 2967
		E-mail	Alejandro.torres@tp-link.com
		Address	Avenida Republica de Panamá 3545 Oficina 802. San Isidro. Lima Perú

Countries/Regions		Support	
Americas	Venezuela	Website	www.neffos.com.ve
		Tel	+86 755 26504400
		E-mail	info@neffos.com support@neffos.com
		Address	South Building, No.5 Keyuan Road, Central Zone, Science & Technology Park, Nanshan, Shenzhen, P. R. China Postcode: 518057
Middle East & Africa	United Arab Emirates	Website	www.neffos.ae
		Tel	+971-4-396-6356 (UAE) +966-9200-07658 (Saudi)
		E-mail	support.mea@neffos.com
		Address	Office 501, The Business Center, Khalid Bin Al Waleed Road, P.O. Box 125857, Dubai, U.A.E
Europe	Germany	Website	www.neffos.de
		Tel	+49 1806-633367 (Mon-Fr 8: 00-17: 00; 20ct/Anruf aus dem dt. Festnetz)
		E-mail	support.de@neffos.com sales.de@neffos.com
		Address	TP-LINK Deutschland GmbH, Robert-Bosch-Straße 9, 65719 Hofheim am Taunus
	France	Website	www.neffos.fr
		Tel	+33 (0)5 63 21 27 41
		E-mail	support.fr@neffos.com (Support technique) info.fr@neffos.com (Questions d'ordres générales) sales.fr@neffos.com (Commercial) rma.fr@neffos.com (Service après-vente)
		Address	16-18 avenue Morane Saulnier, 78140 Vélizy-Villacoublay, France.
	Greece	Website	www.neffos.gr
		Tel	210-5197500
		E-mail	support.gr@neffos.com
		Service time	09.00 - 17.00
		Address	Λ. Κηφισού38 – 38Α, 104-42

Countries/Regions		Support	
Europe	Portugal	Website	www.neffos.com.pt
		Tel	+351 707 101 414
		E-mail	suporte.pt@neffos.com
		Service time	De Segunda a Sexta (excepto feriados), das 09h00 às 13h00 e das 14h00 às 18h00.
		Address	Rua Gonçalo Sampaio, Nº271, 1º 4150-367 Porto
	Italy	Website	www.neffos.it
		Tel	+39 0221116579 (Supporto tecnico post vendita) +39 02 92392211 (Informazioni per il tuo business)
		E-mail	support.it@neffos.com (Supporto tecnico post vendita) sales.it@neffos.com (Informazioni per il tuo business)
		Address	Via Gobetti 2/A, 20063 Cernusco sul Naviglio (MI)
	Russia	Website	www.neffos.ru
		Tel	8 (495) 228 55 66 8 (495) 228-55-60 (для Москвы и Московской области) 8 (800) 250-55-60 (бесплатно из любого региона РФ)
		E-mail	Info.ru@neffos.com support.ru@neffos.com service.ru@neffos.com
		Address	г. Москва, ул. Электрозаводская, 27 стр. 7 офис 501
	Spain	Website	www.neffos.es
		Tel	902 060 365
		E-mail	info.es@neffos.com soporte.es@neffos.com
		Address	Calle Quintanavides 17, 3ª planta Puerta E, 28050 Madrid
	Bulgaria	Website	www.neffos.bg
		Tel	+40 311 070 963 +40 311 011 290
		E-mail	support.ro@neffos.com info.ro@neffos.com service.ro@neffos.com sales.ro@neffos.com

Countries/Regions		Support	
Europe	Czech	Website	cz.neffos.com
		Tel	CZ +420 212 812 625 SK +421 233 056 981
		E-mail	sales.cz@neffos.com
		Address	Kutvirtova 339/5, Praha 5, 150 00
	Romania	Website	www.neffos.ro
		Tel	+40 311 070 963 +40 311 011 290
		E-mail	support.ro@neffos.com info.ro@neffos.com service.ro@neffos.com sales.ro@neffos.com
	Poland	Website	www.neffos.pl
		Tel	+48 (0) 801 002 228 +48 22 360 63 90 (dla połączeń z telefonów komórkowych) Opłata: Zgodnie z taryfą operatora
		Service time	Od poniedziałku do piątku w godzinach 9:00-17:00
		E-mail	neffos.pl@tp-link.com support.pl@neffos.com (Wsparcie techniczne)
		Address	ul. Ożarowska 40/42, Duchnice 05-850, Poland
	Turkey	Website	www.neffos.com/tr
		Tel	0212 359 0 359 / 0212 287 27 27
		E-mail	support.tr@neffos.com sales.tr@neffos.com
		Address	Genpa Telekomünikasyon ve İletişim Hizmetleri San. Tic. A.Ş. Etiler Mah. Nispetiye Cad. No:101 34337 Etiler Beşiktaş / İstanbul
	Ukraine	Website	www.neffos.com/ru-ua
		Tel	0 (800) 505-508 З вонки бесплатные (стоимость звонков на горячую линию согласно тарифам вашего оператора) и (044) 590-51-14 (звонки платные),ПН-ЧТ, с 10:00 до 22:00, ПТ с 10:00 до 21 : 00, СБ, ВС - нерабочие дни. +38 (044) 590-51-77(Сервисный центр)
		E-mail	service.ua@tp-link.com sales.ua@tp-link.com
		Address	Украина, 04053, Киев, ул. Металлистов, 20, Офисний центр VEDA, 2-й этаж

Countries/Regions		Support	
Asia-pacific	India	Website	www.neffos.in
		E-mail	marketing.in@neffos.com
		Address	401, peninsula heights, C.D. Barfiwala Road, Juhu lane. Andheri (west) Mumbai 400058 - India.
	Indonesia	Website	www.neffos.co.id
		Tel	+86 755 26504400
		E-mail	info@neffos.com support@neffos.com
		Address	South Building, No.5 Keyuan Road, Central Zone, Science & Technology Park, Nanshan, Shenzhen, P. R. China Postcode: 518057
	Malaysia	Website	www.neffos.my
		Tel	1800 22 8887
		E-mail	support.my@neffos.com
		Address	Lot 3.01 - Lot 3.02, 3rd Floor, Podium Block, Plaza Berjaya, 12, Jalan Imbi 55100 Kuala Lumpur
	Thailand	Website	www.neffos.com/th
		Tel	02-4400029 (ค่าบริการขึ้นอยู่กับเครือข่ายที่ใช้งาน)
		Service time	08:30 - 17:30 วันจันทร์-เสาร์
		E-mail	support.th@neffos.com
		Address	บริษัท ทีพี-ลิงค์ เอ็นเตอร์ไพรส์ (ประเทศไทย) จำกัด (สำนักงานใหญ่) 77/159 อาคารสินสาธรสาวเวอร์ ชั้น 36 ถนนกรุงธนบุรี แขวงคลองต้นไทร เขตคลองสาน กรุงเทพฯ 10600
	Vietnam	Website	www.neffos.vn
		Tel	+84 8 66894777 (Gi ờ hành chính)
		E-mail	press.vn@neffos.com support.vn@neffos.com sales.vn@neffos.com/ sales.vn@tp-link.com
		Address	12A-15 Tòa nhà Vincom, 45A Lý T ự Trọng, Quận 1, TP. Hồ Chí Minh, Việt Nam

Countries/Regions		Support	
Asia-pacific	Bangladesh	Website	www.neffos.com/bd
		Tel	+86 755 26504400
		E-mail	info@neffos.com support@neffos.com
		Address	South Building, No.5 Keyuan Road, Central Zone, Science & Technology Park, Nanshan, Shenzhen, P. R. China Postcode: 518057
	Singapore	Website	www.neffos.sg
		Tel	+65 6727 4987 (Service Centre, 9:00 am – 7:30 pm Mon-Fri) +65 6727 4973 (Service Centre, 9:00 am – 5:30 pm Mon-Fri) +65 6727 4980 (24/7 Global Support Hotline)
		E-mail	sales.sg@tp-link.com
		Address	12 Kallang Avenue #03-30 Aperia Singapore 339511, 9:00 am to 7:30 pm (Mon - Fri)

Appendix C: Explanation of the symbols on the product label

The meaning of symbols on the product label is explained below.

Symbol	Explanation
	RECYCLING This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.
	To prevent possible hearing damage, do not listen at hign volume levels for long periods.

Appendix D: Authentication

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http://www.neffos.com

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

The exposure recommendations for mobile phones use a measurement unit known as the Specific Absorption Rate (SAR). The SAR limit recommended by the ICNIRP for the mobile phones used by the general public is 1.6W/kg averaged over one gram of tissue by IEEE Std 1528 for the head.The highest SAR value for this model phone when tested was 0.78 W/kg for head, 1.12 W/kg for Body-worn and 1.11 W/kg for hotspot.

For limiting the radio waves exposure, it is recommended to reduce the mobile phone call duration or to use a headset. The purpose of those precautions is to take the mobile phone away from the head and the body.For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 10mm from the body. For hotspot operation, the distance is 10mm. Use of other accessories may not ensure compliance with FCC RFexposure guidelines.

Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.

Personal information and data security

The use of some functions or third-party applications on your device could result in your personal information and data being lost or becoming accessible to others. Several measures are recommended to help you protect personal and confidential information.

Place your device in a safe area to prevent it from unauthorized use.

- Set your device screen to lock and create a password or unlock pattern to open it.
- Periodically back up personal information kept on your USIM card, memory card, or stored in your device memory. If you change to a different device, be sure to move or delete any personal information on your old device.
- If you are worried about viruses when you receive messages or emails from a stranger, you can delete them without opening them.
- If you use your device to browse the internet, avoid websites that might pose a security risk to avoid theft of your personal information.
- If you use services such as Wi-Fi tether or Bluetooth, set passwords for these services to prevent unauthorized access. When these services are not in use, turn them off.
- Install or upgrade device security software and regularly scan for viruses.
- Be sure to obtain third-party applications from a legitimate source. Downloaded third-party applications should be scanned for viruses.
- Install security software or patches released by Neffos or third-party application providers.
- Some applications require and transmit location information. As a result, a third-party may be able to share your location information.
- Your device may provide detection and diagnostic information to third-party application providers. Third party vendors use this information to improve their products and services.
- If you have concerns about the security of your personal information and data, please contact support@neffos.com.

Legal notice

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Third-Party software statement

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This product is based on the open-source Android platform. Neffos has made necessary changes to the platform.

Therefore, this product may not support all the functions that are supported by the standard Android platform or may be incompatible with third-party software. Neffos does not provide any warranty or representation in connect with any such compatibility and expressly excludes all liability in connection with such matters.

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Privacy policy

To better understand how we protect your personal information, please see the privacy policy at www.neffos.com.

Safety information

This section contains important information about the operation of your device. It also contains information about how to use the device safely. Read this information carefully before using your device.

Electronic device

Do not use your device if using the device is prohibited. Do not use the device if doing so causes danger or interference with other electronic devices.

Interference with medical equipment

- Follow rules and regulations set forth by hospitals and health care facilities. Do not use your device where prohibited.
- Some wireless devices may affect the performance of hearing aids or pacemakers. Consult your service provider for more information.
- Avoid using your device within a 15 cm range of a pacemaker if possible, as your device can interfere with the pacemaker. To minimize possible interference with a pacemaker, use your device only on the side of your body that is opposite the pacemaker.
- If you use medical equipment, contact the equipment manufacturer before using your device to determine whether or not the equipment will be affected by radio frequencies emitted by the device.
- Do not use your device near devices or apparatuses that emit radio frequencies, such as sound systems or radio towers Radio frequencies may cause your device to malfunction.
- Do not use your device near devices or apparatuses that emit radio frequencies, such as sound systems or radio towers. Radio frequencies may cause your device to malfunction.

- Electronic devices in your car may malfunction, due to radio interference from your device. Contact the manufacturer for more information.

Protecting your hearing when using a headset

- ⚠ To prevent possible hearing damage, do not listen at high volume levels for long periods. To use the device only with the earphones included, never change the earphones included for another one.
- Using a headset at high volumes may damage your hearing. To reduce this risk, lower the headset volume to a safe and comfortable level.
- Exposure to high volumes while driving may cause distraction and increase your risk of an accident.
- Do not use a headset while driving or riding. Doing so may distract your attention and cause an accident, or may be illegal depending on your region.

Areas with flammables and explosives

- Turn off your device in potentially explosive environments instead of removing the battery. Always comply with regulations, instructions and signs in potentially explosive environments.
- Do not use your device at refueling points (petrol stations), near fuels or chemicals, or in blasting areas.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.

Traffic security

- Observe local laws and regulations while using the device. To reduce the risk of accidents, do not use your wireless device while driving.
- Concentrate on driving. Your first responsibility is to drive safely.
- Do not hold the device while driving. Use hands-free accessories.
- When you must make or answer a call, pull of the road safely and park the vehicle first.
- RF signals may affect the electronic systems of motor vehicles. For more information, consult the vehicle manufacturer.
- Do not place the device over the air bag or in the air bag deployment area in a motor vehicle. Doing so may hurt you because of the strong force when the air bag inflates.
- On an aircraft, using electronic devices can interfere with the aircraft's electronic navigational instruments. Make sure the device is turned off during takeoff and landing. After takeoff, you can use the device in flight mode if allowed by aircraft personnel.

Operating environment

- Do not expose the device to heavy smoke or fumes. Doing so may damage the outside of the device or cause it to malfunction.
- Do not use or store your device in areas with high concentrations of dust or airborne materials. Dust or foreign materials can cause your device to malfunction and may result in fire or electric shock.
- Do not use your device during thunderstorms to protect your device against any danger caused by lightning.
- Avoid exposing your device and battery to very cold or very hot temperatures. Extreme temperatures can damage the device and reduce the charging capacity and life of your device and battery.
- Prevent the battery from coming into contact with metal objects, as this can create a connection between the + and – terminals of your battery and lead to temporary or permanent battery damage.

- Do not expose your device to direct sunlight (such as on a car dashboard) for prolonged periods.
- To protect your device or accessories from fire or electrical shock hazards, avoid rain and moisture.
- Keep the device away from sources of heat and fire, such as a heater, microwave oven, stove, water heater, radiator, or candle.
- Do not place sharp metal objects, such as pins, near the earpiece or speaker. The earpiece may attract these objects and result in injury.
- Prevent the multipurpose jack and the small end of the charger from contact with conductive materials, such as liquids, dust, metal powders, and pencil leads. Conductive materials may cause a short circuit or corrosion of the terminals, which may result in an explosion or fire.
- Stop using your device or applications for a while if the device is overheated. If skin is exposed to an overheated device for an extended period, low temperature burn symptoms, such as red spots and darker pigmentation, may occur.
- Do not touch the device's antenna. Otherwise, communication quality may be reduced.
- Do not allow children or pets to bite or suck the device or accessories. Doing so may result in damage or explosion.
- Observe local laws and regulations, and respect the privacy and legal rights of others.
- Do not use your device's camera flash directly in the eyes of people or pets. Otherwise temporary loss of vision or damage to the eyes may occur.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.

Child's safety

- Comply with all precautions with regard to child's safety. Letting children play with the device or its accessories may be dangerous. The device includes detachable parts that may present a choking hazard. Keep away from children.
- The device and its accessories are not intended for use by children. Children should only use the device with adult supervision.

Accessories

- Using an unapproved or incompatible power adapter, charger or battery may cause fire, explosion or other hazards.
- Use manufacturer-approved batteries, chargers, accessories, and supplies
- Using generic batteries or chargers may shorten the life of your device or cause the device to malfunction. They may also cause a fire or cause the battery to explode.
- TP-LINK cannot be responsible for the user's safety when using accessories or supplies that are not approved by TP-LINK.

Charger safety

- For pluggable devices, the socket-outlet shall be installed near the devices and shall be easily accessible.
- Unplug the charger from electrical outlets and the device when not in use.
- Do not drop or cause an impact to the charger.
- Do not use damaged power cords or plugs, or loose electrical sockets. Unsecured connections can cause electric shock or fire.
- Never use a damaged charger or battery.
- Do not touch the device or the charger with wet hands. Doing so may lead to short circuits, malfunctions, or electric shocks.

- If your charger has been exposed to water, other liquids, or excessive moisture, take it to an authorized service center for inspection.
- Ensure that the charger meets the requirements of Clause 2.5 in IEC60950-1/EN60950-1 and has been tested and approved according to national or local standards.
- Connect the device only to products with the USB-IF logo or with USB-IF compliance program completion.
- Do not bend or damage the power cord. Doing so may cause electric shock or fire.
- Do not use your device while it is charging or touch your device with wet hands. Doing so may cause electric shock.
- Do not short-circuit the charger or the device. Doing so may cause electric shock or fire, or the battery may malfunction or explode.

Battery safety

- Do not connect battery poles with conductors, such as keys, jewelry, or other metal materials. Doing so may short-circuit the battery and cause injuries or burns.
- Keep the battery away from excessive heat and direct sunlight. Do not place it on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode if overheated.
- Do not attempt to modify or remanufacture the battery, insert foreign objects into it, or immerse or expose it to water or other liquids. Doing so may lead to fire, explosion, or other hazards.
- If the battery leaks, ensure that the electrolyte does not make direct contact with your skins or eyes. If the electrolyte touches your skins or splashes into your eyes, immediately flush with clean water and consult a doctor.
- In case of battery deformation, color change, or overheating while charging or storing, immediately stop using the device and remove the battery. Continued use may lead to battery leakage, fire, or explosion.
- Do not put batteries in fire as they may explode. Damaged batteries may also explode.
- Dispose of used batteries in accordance with local regulations. Improper battery use may lead to fire, explosion, or other hazards.
- Do not bite or suck the device or the battery. Doing so may damage the device or result in an explosion or fire.
- Do not smash or pierce the battery, or expose it to high external pressure. Doing so may lead to a short circuit or overheating.
- Do not drop the device or battery. If the device or battery is dropped, especially on a hard surface, and may be damaged.
- If the device standby time shortens significantly, replace the battery.
- Do not handle a damaged or leaking Lithium Ion (Li-Ion) battery. For safe disposal of your Li-Ion battery, contact your nearest authorized service center.
- If you notice strange smells or sounds coming from your device or the battery, or if you see smoke or liquids leaking from the device or battery, stop using the device immediately and take it to a TP-LINK Service Centre. Failure to do so may result in fire or explosion.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Cleaning and maintenance

- Keep the device and accessories dry. Do not attempt to dry it with an external heat source, such as a microwave oven or hair dryer. Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot

remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service canter.

- Do not expose your device or accessories to extreme heat or cold. These environments may interfere with proper function and may lead to fire or explosion.
- Avoid collision, which may lead to device malfunctions, overheating, fire, or explosion.
- Before you clean or maintain the device, stop using it, stop all applications, and disconnect all cables connected to it.
- Do not use any chemical detergent, powder, or other chemical agents (such as alcohol and benzene) to clean the device or accessories. These substances may cause damage to parts or present a fire hazard. Use a clean, soft, and dry cloth to clean the device and accessories.
- Do not store your device near magnetic fields for extended periods of time. Your device may malfunction or the battery may discharge from exposure to magnetic fields. Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.
- Do not use your device with the back cover removed. The battery may fall out of the device, which may result in damage or malfunction.
- Do not dismantle or remanufacture the device and its accessories. This voids the warranty and releases the manufacturer from liability for damage. In case of damage, contact an authorized service center for assistance or repair.
- If the device screen is broken in a collision, immediately stop using the device. Do not touch or attempt to remove the broken parts. Promptly contact an authorized service center.
- Do not store your device with metal objects, such as coins, keys, and necklaces. Your device may be scratched or may malfunction. If the battery terminals come into contact with metal objects, this may cause a fire.

Emergency calls

The availability of emergency calls is subject to your cellular network quality, service provider policy, and local laws and regulations. Never rely solely on your device for critical communications like medical emergencies.

Environmental protection

- The device and its accessories (if included), such as the power adapter, headset, and battery should not be disposed of with household garbage.
- Disposal of the device and its accessories is subject to local regulations. Support proper collection and recycling.

Disposal and recycling information

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, batteries, headset, USB cable) should not be disposed of with other household waste.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

This product is RoHS compliant.

EU regulatory conformance.

Body worn operation

The device complies with RF specifications when used near your ear or at a distance of 5mm from your body. Ensure that the device accessories, such as a device case and device holster, are not composed of metal components. Keep the device away from your body to meet the distance requirement.

Certification information (SAR)

This device meets guidelines for exposure to radio waves. Your device is a low-power radio transmitter and receiver. As recommended by international guidelines, the device is designed not to exceed the limits for exposure to radio waves. These guidelines were developed by the International Commission on Non-Ionizing Radiation Protection (ICNIRP), an independent scientific organization, and include safety measures designed to ensure the safety of all users, regardless of age and health.

The Specific Absorption Rate (SAR) is the unit of measurement for the amount of radio frequency energy absorbed by the body when using a device. The SAR value is determined at the highest certified power level in laboratory conditions, but the actual SAR level during operation can be well below the value. This is because the device is designed to use the minimum power required to reach the network.

The SAR limit adopted by Europe is 2.0 W/kg averaged over 10 grams of tissue, and the highest SAR value for this device complies with this limit.

The highest SAR value reported for this device type when tested at the ear is 0.338 W/kg, and when properly worn on the body is 1.231 W/kg.

Operating Frequency Band (RF):

TX:

EGSM900/WCDMAB8/LTE Band8: 880-915 MHz;

DCS1800/LTE B3: 1710 -1785 MHz;

WCDMAB1/LTE B1:1920-1980 MHz

LTE B7:2500-2570 MHz

LTE B20:832-862 MHz

Bluetooth/BLE: 2402-2480MHz

Wi-Fi:2412-2472 MHz,5150-5250 MHz

RX:

EGSM900/WCDMAB8/LTE Band8: 925-960 MHz;

DCS1800/LTE B3: 1805-1880 MHz;

WCDMAB1/LTE B1:2110-2170 MHz;

LTE B7:2620-2690 MHz;

LTE B20:791-821 MHz;

Bluetooth/BLE: 2402-2480MHz

Wi-Fi:2412-2472 MHz,5150-5250 MHz

GPS:1575.42 MHz

FM:88-108MHz

Max. Of Transmit power:

EGSM900: 33dBm(GMSK),27dBm(8PSK)

DCS1800: 30dBm(GMSK),26dBm (8PSK)

WCDMA Band1/8: 23dBm

LTE Band1/3/7/8/20:24dBm

2.4GWi-Fi:18.81dBm(802.11b),15.96dBm (802.11g), 16.06dBm(802.11n20)

16.02dBm(802.11n40)

5GWi-Fi:13.67dBm(802.11a),13.73dBm (802.11n 20), 12.66dBm(802.11n40)

15.43dBm (802.11n ac20), 15.19dBm(802.11ac40), 15.05dBm(802.11ac80)

Bluetooth:9.34dBm

BLE: -2.31dBm (1M) -2.25dBm (2M)

Declaration of conformity:

TP-Link hereby declares that the device is incompliance with the essential requirements and other relevant provisions of directives 2014/53/EU and 2011/65/EU.

The original EU declaration of conformity may be found at http://www.neffos.com/en/ce.

The following marking is included in the product:

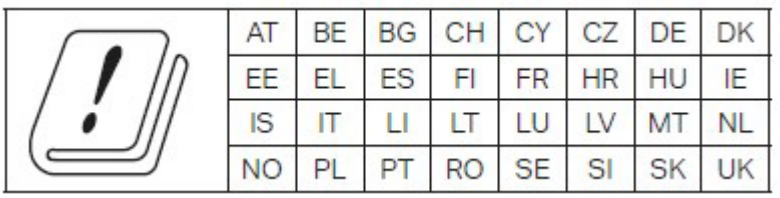
CE

This device may be operated in all member states of the EU. Observe national and local regulations where the device is used.

This device may be restricted for use, depending on the local network.

Restrictions or Requirements in following countries:

Operations in the 5.15-5.25 GHz band are restricted to indoor usage only.



AT	BE	BG	CH	CY	CZ	DE	DK
EE	EL	ES	FI	FR	HR	HU	IE
IS	IT	LI	LT	LU	LV	MT	NL
NO	PL	PT	RO	SE	SI	SK	UK